...leted as shut-in gas well - 10/31/78
Put on production - 11/14/78

FILE NOTATIONS

...tered in NID File	..✓.....	Checked by Chief	.....
...cation Map Pinned	..✓.....	Approval Letter	.....
...rd Indexed	..✓.....	Disapproval Letter	.....

COMPLETION DATA:

...Well Completed 10/31/78

Location Inspected .....

Bond released
State or Fee Land .....

...OW..✓..	WW.....	TA.....	
SI GW.✓...	OS.....	PA.....	

LOGS FILED

Driller's Log.....✓.....

Electric Logs (No.) ..✓.....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... Mi-L..... Sonic..

CBLog..... CCLog..... Other.....

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16305

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

8. FARM OR LEASE NAME:

2. NAME OF OPERATOR: MAPCO INC.

9. WELL NO.: RBU 11-15F

3. ADDRESS OF OPERATOR: Suite 320 Plaza West
1537 Avenue D, Billings, Montana 59102

10. FIELD AND POOL, OR WILDCAT: River Bend

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: (1) 2111' FWL & 1991' FSL
At proposed prod. zone: NE SW Section 15

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15
T. 10 S., R. 20 E.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 11 miles South of Ouray, Utah

12. COUNTY OR PARISH: Uintah — 13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 529'

16. NO. OF ACRES IN LEASE: 1800

17. NO. OF ACRES ASSIGNED TO THIS WELL: 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None

19. PROPOSED DEPTH: (5) 8500'

20. ROTARY OR CABLE TOOLS: (4) Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): (2) 4914' Ungraded GL

22. APPROX. DATE WORK WILL START*: (14) 4-1-78 — 30 days

23. (8) and (9) PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11" 12¼"	8-5/8" - New	24	500'	Cement to surface ✓
7-7/8"	5-1/2" - New	17	8500'	As required

Data required to be included on Form 9-331C by NTL-6, dated 6-1-76, as items No. (1), (2), (4), (5), (8), (9), and (14) are so noted above. The rest as follows:

(3) & (6):

Uintah	Surface
Green River	1500
Wasatch	4433
Mesaverde	7600

(7): No water anticipated; possible thin, non-commercial oil bearing zones encountered in the Green River from approx. 1500'-4450'± - no commercially productive oil bearing sands encountered in this area previously; gas bearing formations will be the Wasatch, expected intermediate overall interval from 4600'-7600'±, and the Mesaverde, from 7600'± to a total depth of 8500'.

(10): Figure #1 (attached).

-- Continued on back of page --

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED J. D. Hollimon — TITLE Manager of Operations, Northern District — DATE March 6, 1978

(This space for Federal or State office use)

PERMIT NO. 43-047-30375 — APPROVAL DATE APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 3-10-78

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

BY: C. B. Feight

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE : 1963—O-711-396
839-171

(11): The well is to be drilled with a salt water mud system maintaining a weight of approximately 9#/gal with weighting material on location sufficient to weight-up for pressure control as necessary.

(12): A mud logger will be used from 4000' to TD. No drill stem tests will be run. No coring will be done. The logging program will include Dual Induction and CNL-Density logs.

(13): As noted in #(11), no abnormal pressures are anticipated nor is the area known for abnormal temperatures. The formations to be penetrated do not contain H_2S gas.

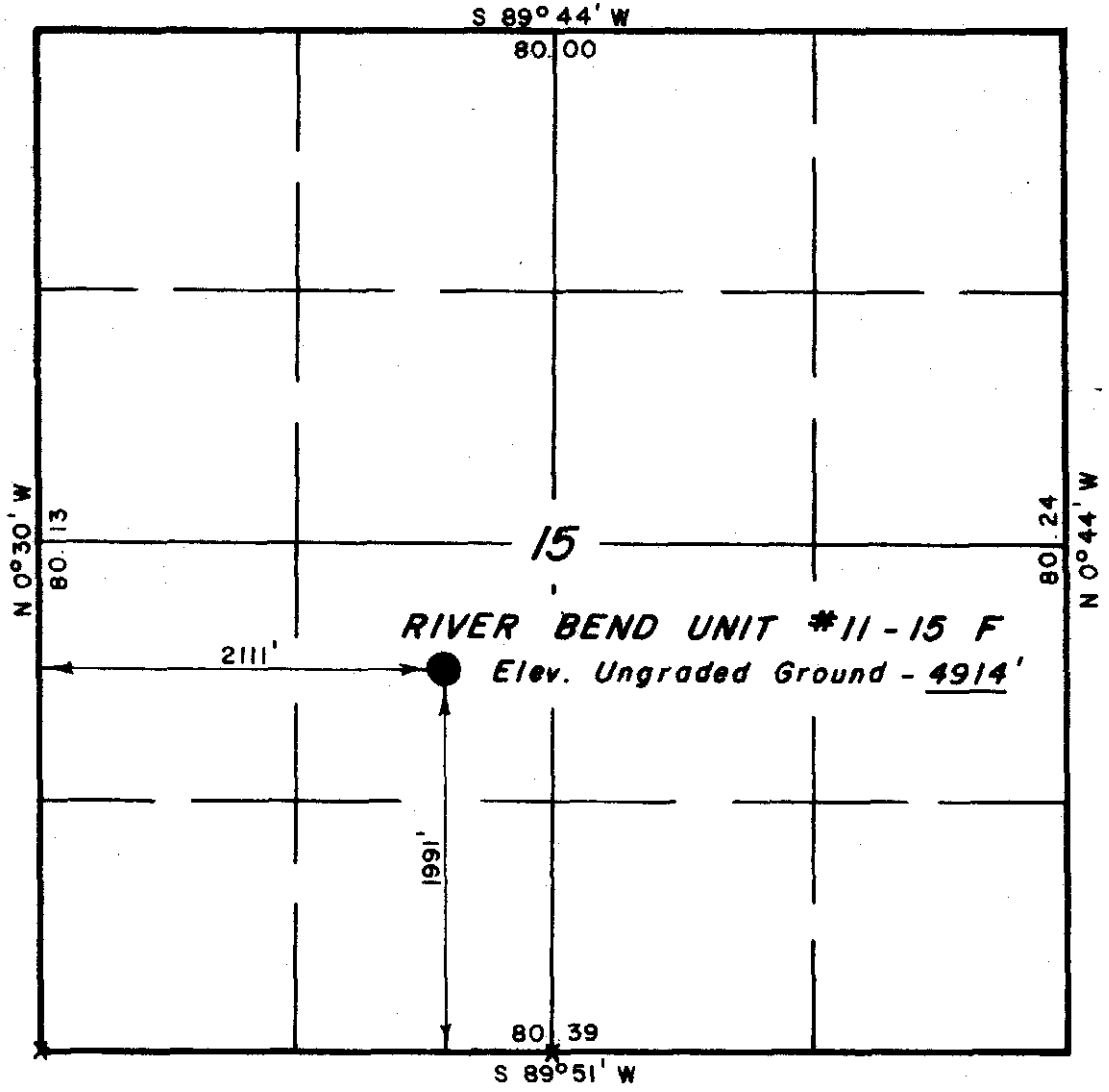
(15): Auxiliary equipment:
(a) Kelly cock
(b) Full ope ning valve on floor with DP connection for use when Kelly is not in string
(c) Pit volume totalizer equipment will be used.

PROJECT

MAPCO INC.

Well location, *RIVER BEND UNIT #11-15 F*, located as shown in the NE 1/4 SW 1/4 Section 15, T 10 S, R 20 E, S.L. B. & M. Uintah County, Utah.

T 10 S, R 20 E, S.L.B. & M.



X = Section Corners Located

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Dana Slaugh

REGISTERED LAND SURVEYOR
REGISTRATION NO. 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 3/3/78
PARTY MS DJ	REFERENCES GLO Plat
WEATHER	FILE MAPCO INC.


MAPCO INC.
PROPOSED LOCATION
RIVER BEND UNIT # 11-15 F
TOPO MAP "A"
SCALE- 1" = 4 MI.
HORSESHOE BEND
Ranch
Pelican Lake
Ouray
WONSITS VALLEY
RIVER
UINTAH AND OURAY INDIAN RESERVATION
ANTELAND BUTTE
Oil tanks
Underground pipeline
Pumping Station
Little Bonanza
Little Emma
Gas Field

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16305

8. FARM OR LEASE NAME:

9. WELL NO.: RBU 11-15F

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15 T. 10 S., R. 20 E.

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: MAPCO INC.

3. ADDRESS OF OPERATOR: Suite 320 Plaza West, 1537 Avenue D, Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: (1) 2111' FWL & 1991' FSL
At proposed prod. zone: NE SW Section 15

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 11 miles South of Ouray, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
529'	1800	640
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
None	(5) 8500'	(4) Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): (2) 4914' Ungraded GL

22. APPROX. DATE WORK WILL START*: (14) 4-1-78 30 days

23. (8) and (9) PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8" - New	24	500'	Cement to surface
7-7/8"	5-1/2" - New	17	8500'	As required

Data required to be included on Form 9-331C by NTL-6, dated 6-1-76, as items No. (1), (2), (4), (5), (8), (9), and (14) are so noted above. The rest as follows:

(3) & (6):

Uintah	Surface
Green River	1500
Wasatch	4433
Mesaverde	7600

NOTICE OF APPROVAL

(7): No water anticipated; possible thin, non-commercial oil bearing zones encountered in the Green River from approx. 1500'-4450'± - no commercially productive oil bearing sands encountered in this area previously; gas bearing formations will be the Wasatch, expected intermediate overall interval from 4600'-7600'±, and the Mesaverde, from 7600'± to a total depth of 8500'.

(10): Figure #1 (attached).

-- Continued on back of page --

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED J. D. Hollman — TITLE Manager of Operations, Northern District — DATE March 6, 1978

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) E. W. Guynn — TITLE DISTRICT ENGINEER — DATE APR 28 1978

CONDITIONS OF APPROVAL, IF ANY:

State O&G

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

*See Instructions On Reverse Side

U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
MAPCO INC. #RBU 11-15F	2111' FWL & 1991' FSL (NE¼ SW¼) SEC. 15, T. 10 S., R. 20 E. SLM UINTAH COUNTY, UTAH GR. EL. 4914'	U-7206

1. Stratigraphy and Potential Oil and Gas Horizons. The surface rocks are Tertiary Uinta and the well will test the Wasatch Formation and the Mesaverde for gas to a proposed depth of 8500 feet. Projected tops by operator are reasonable.

2. Fresh Water Sands. Operator does not anticipate water but fresh/usable water could occur in the Uinta and Green River Formations to a depth of 3,000± feet.

3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) Within an area considered valuable prospectively for solid and semi-solid bitumens (Gilsonite) Within oil shale withdrawal E.O. 5327. Computations from Cashion's map shows that the top of the Mahogany zone is at a depth of 1,660± feet. Well site is underlain by a continuous sequence of oil shale beds (400 ft thick) that will yield 15 gallons of oil per ton; 62 feet of beds that will yield 25 gallons per ton. Protect oil shale beds from 1,600 – 2100 ft.

4. Possible Lost Circulation Zones. Unknown

5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Protect any fresh/usable aquifers penetrated.

6. Possible Abnormal Pressure Zones and Temperature Gradients. Operator does not anticipate abnormal pressures or temperatures. The formations to be penetrated should not contain H_2S gas.

7. Competency of Beds at Proposed Casing Setting Points. Probably adequate.

8. Additional Logs or Samples Needed. Well is in area where Cashion states that sonic, gamma ray, electric and neutron logs are useful for evaluation of oil shale resource.

9. References and Remarks Within 2 mile radius of KGS. Cashion's oil shale maps.

Date: 3/14/78 Signed: R.E.G

EIA NO. 961

LEASE U-7206 DATE 3-14-78

WELL NO. K.B.U. 11-15F

LOCATION: NE ¼ SW ¼, SEC. 15, T. 10S, R. 20E,

FIELD Kings Bend COUNTY Uintah STATE Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

I. PROPOSED ACTION

Mapco Inc. (COMPANY) PROPOSES TO DRILL AN OIL AND GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 8,500 FT. TD. 2) TO CONSTRUCT A DRILL PAD 190 FT. X 400 FT. AND A RESERVE PIT 175 FT. X 175 FT. 3) TO CONSTRUCT 18 FT. WIDE X 0.5 MILES ACCESS ROAD AND UPGRADE — FT. WIDE X — MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD. ~~TO CONSTRUCT~~ ~~☐ GAS ☐ OIL PRODUCTION FACILITIES ON THE DISTURBED AREA FOR THE DRILL PAD AND ☐ TRUCK ☐ TRANSPORT THE PRODUCTION THROUGH A PIPELINE TO A TIE IN IN SECTION , T. , R. .~~

2. LOCATION AND NATURAL SETTING (EXISTING ENVIRONMENTAL SITUATION).

(1) TOPOGRAPHY: ☑ ROLLING HILLS ☐ DISSECTED TOPOGRAPHY ☑ DESERT OR PLAINS ☐ STEEP CANYON SIDES ☐ NARROW CANYON FLOORS ☐ DEEP DRAINAGE IN AREA ☐ SURFACE WATER

(2) VEGETATION: ☑ SAGEBRUSH ☐ PINION-JUNIPER ☐ PINE/FIR ☐ FARMLAND (CULTIVATED) ☑ NATIVE GRASSES ☑ OTHER (Some Cactus)

(3) WILDLIFE: [✓] DEER [✓] ANTELOPE [ ] ELK [ ] BEAR [✓] SMALL MAMMAL [ ] BIRDS [ ] ENDANGERED SPECIES [ ] OTHER _____

(4) LAND USE: [✓] RECREATION [✓] LIVESTOCK GRAZING [ ] AGRICULTURE [ ] MINING [ ] INDUSTRIAL [ ] RESIDENTIAL [ ] OIL & GAS OPERATIONS

REF: ~~BLM UMBRELLA EAR~~ B.I.A has no Area Environmental analysis
~~USFS EAR~~
~~OTHER ENVIRONMENTAL ANALYSIS~~

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED _____ TO AVOID _____

☐ LARGE SIDEHILL CUTS ☐ NATURAL DRAINAGE ☐ OTHER _____

4) In addition to the Proposed Action U.S.G.S. and B.I.M Suggest that a drainage be built around North side of proposed location to replace the small

5. Adverse Environmental Effects Which Cannot Be Avoided (See back this Page)

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

6. DETERMINATION:

(THIS REQUESTED ACTION ~~IS~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED 3-14-78

INSPECTOR E. R. Cook

E. W. Guynn

U. S. GEOLOGICAL SURVEY
CONSERVATION DIVISION - OIL & GAS OPERATION
SALT LAKE CITY DISTRICT

... Drainage that well be blocked by construction on the Drill Pad.

MAPCO INCORPORATED

13 Point Surface Use Plan

for

Well Location

River Bend Unit #11-15 F

Located In

Section 15, T10S, R20E, S.L.B. & M.

Uintah County, Utah

Mapco Incorporated
River Bend Unit #11-15 F
Section 15, T10S, R20E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Mapco Incorporated, well location River Bend Unit #11-15 F, located in the NE 1/4 SW 1/4 Section T10S, R20E, S.L.B. & M., Uintah County, Utah; proceed Westerly out of Vernal, Utah along U.S. Highway 40, 14 miles to the junction of this road and Utah State Highway 209; proceed South along Utah State Highway 209, 7 miles more or less to the junction of this Highway and Utah State Highway 88; proceed South along Utah 88-10 miles to Ouray, Utah; proceed on South along a county road 9 miles along the Seep Ridge to its junction with an existing dirt service road known as the Willow Creek Road, to the West; proceed in a Westerly direction along this dirt road 0.4 miles across Black Bridge to a point at which point the planned access road (to be discussed in Item #2) leaves this road and proceeds in a Northerly direction.

The Highways mentioned in the foregoing paragraph are bituminous surfaced road to Ouray, Utah at which point the County road is surfaced with native asphalt for ± 4 miles and then is a gravel surface to the aforementioned service roads.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in and range from clays to a sandy-clay shale materials.

There is no anticipated construction on any portion of the above described road. They will meet the necessary standards requried to facilitate an orderly flow of traffic during the drilling phase; completion phase and the production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards requried by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B"

The proposed access road leaves the existing service road at an existing well location in the SE 1/4 Section 15, T10S, R20 E, S.L.B. & M. and proceeds in a Northerly direction for a distance of 0.5 miles to the proposed well location.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

This proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

PLANNED ACCESS ROAD - continued

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

The grade of this road will vary from flat to 8%, but will not exceed this amount. This road will be constructed from native borrow accumulated during construction.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges or at intervals and locations that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and outlet ends.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate, either leaving or entering the proposed access road.

The vegetation along this route consists of sparse amounts of sagebrush, rabbitbrush, some grasses and cacti with large areas that are devoid of vegetation.

3. LOCATION OF EXISTING WELLS

There are no other Mapco Incorporated wells within a one mile radius of this location. For the exact location of this well in Section 15, T10S, R20E, S.L.B.& M. see the location plat.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no other Mapco Incorporated batteries, production facilities, oil gathering lines, gas gathering lines, injection and disposal lines within a one-mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES - continued

This area will be built, if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

If there is any deviation from the above, then all appropriate agencies will be notified prior to the construction and all necessary requests and applications will be made.

5. LOCATION OF AND TYPE OF WATER SUPPLY

Water to be used for the drilling and production of this well will be hauled by truck from the White River approximately 12 road miles to the South and will be hauled over the roads described in Items #1 and #2.

In the event this source is not used, arrangements for an alternate source will be made with the proper authorities.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

The native materials that will be used in the construction of this location site and access road will consist of a sandy-clay soils and sandstone and shale materials gathered in actual construction of the road and location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A reserve and burn pit shall be constructed, and at least half of the depth of the reserve pit shall be below the existing ground surface. All trash and flammable materials will be burned in the burn pit. Non-flammable materials such as cuttings, salts, chemicals, etc., will be buried in the reserve pit and covered with a minimum of four feet of earth material. Prior to the onset of drilling, the burn pit will be fenced on all four sides with a net wire, and the reserve pit will be fenced on three sides. Upon completion of drilling, the fourth side of the reserve pit will be fenced and allowed to dry completely before backfilling and reclamation are attempted. A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are to porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 4' of cover. The reserve pit will be completely fenced and allowed to dry before covering. When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further convenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area slopes from the rim of the Book Cliff Mountains to the South to the White River to the North, and is a portion of the Roan plateau. The area is interlaced with numerous canyons and ridges which are extremely steep with numerous ledges formed in sandstones, conglomerates, and shale deposits.

The majority of the washes and streams in the area are non-perennial in nature with the only two in the area having a year round flow being Willow Creek to the East and the White River to the North, of which the numerous washes, draws and non-perennial streams are tributaries to the White River.

OTHER INFORMATION - continued

The majority of the surrounding drainages are of a non-perennial nature with normal flow limited to the early spring run-off and extremely rare heavy thunderstorms or rain storms of high intensity that lasts over an extended period of time and are extremely rare in nature as the normal annual precipitation is only 8'.

All the drainages in the immediate area are non-perennial streams and flow the the East and are tributaries to Willow Creek.

The soils of this semi-arid area are of the Uinta Formation and Duchesne River Formation (the Fluvial Sandstone and Mudstone from the Eocene Epoch and Quaternary Epoch (gravels surfaces) and the visiable geologic structures consists of light brownish-gray clays (OL) to sandy soils (SM-ML) with poorly graded gravels and shales with outcrops of rock (sandstone, mudstone, conglomerates and shales).

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora, areas of sagebrush, rabbitbrush, some grasses, and cacti, and large areas of bare soils devoid of any growth in the areas away from and in the vicinity of non-perennial streams, cottonwoods, willows, tamarack, sagebrush, rabbitbrush, grasses and cacti can be found.

The fauna of the area is sparse and consists predominately of the mule deer, coyotes, pronghorn, antelope, rabbits, and varieties of small ground squirrels and other types of rodents, and various reptiles common to the area.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The area is used by man for the primary purpose of grazing domestic livestock.

The Topography of the Immediate Area (See Topographic Map "B")

River Bend Unit #11-15 F location site sits on a relative flat area with Willow Creek located approximately 1500' to the East of this location site.

The geologic structure of the location is of the Uinta Formation and consists of light brownish-gray sandy clay (SP-CL) with some sandstone outcrops.

The ground slopes from the Northwest through the location to the South Northeast at approximately a 4% grade.

The location is covered with some sagebrush and grasses.

Mapco Incorporated
River Bend Unit #11-15 F
Section 15, T10S, R20E, S.L.B. & M.

OTHER INFORMATION - continued

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OPERATOR'S REPRESENTATIVE

Darwin Kulland
Mapco Incorporated
P.O. Box 1360
Roosevelt, Utah 84066

TELE: 1-801-722-4521

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Mapco Incorporated and its contractors and sub-contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

3-9-78
Date

Darwin Kullard
Darwin Kullard
Drilling & Production Superintendant

MAPCO INC.

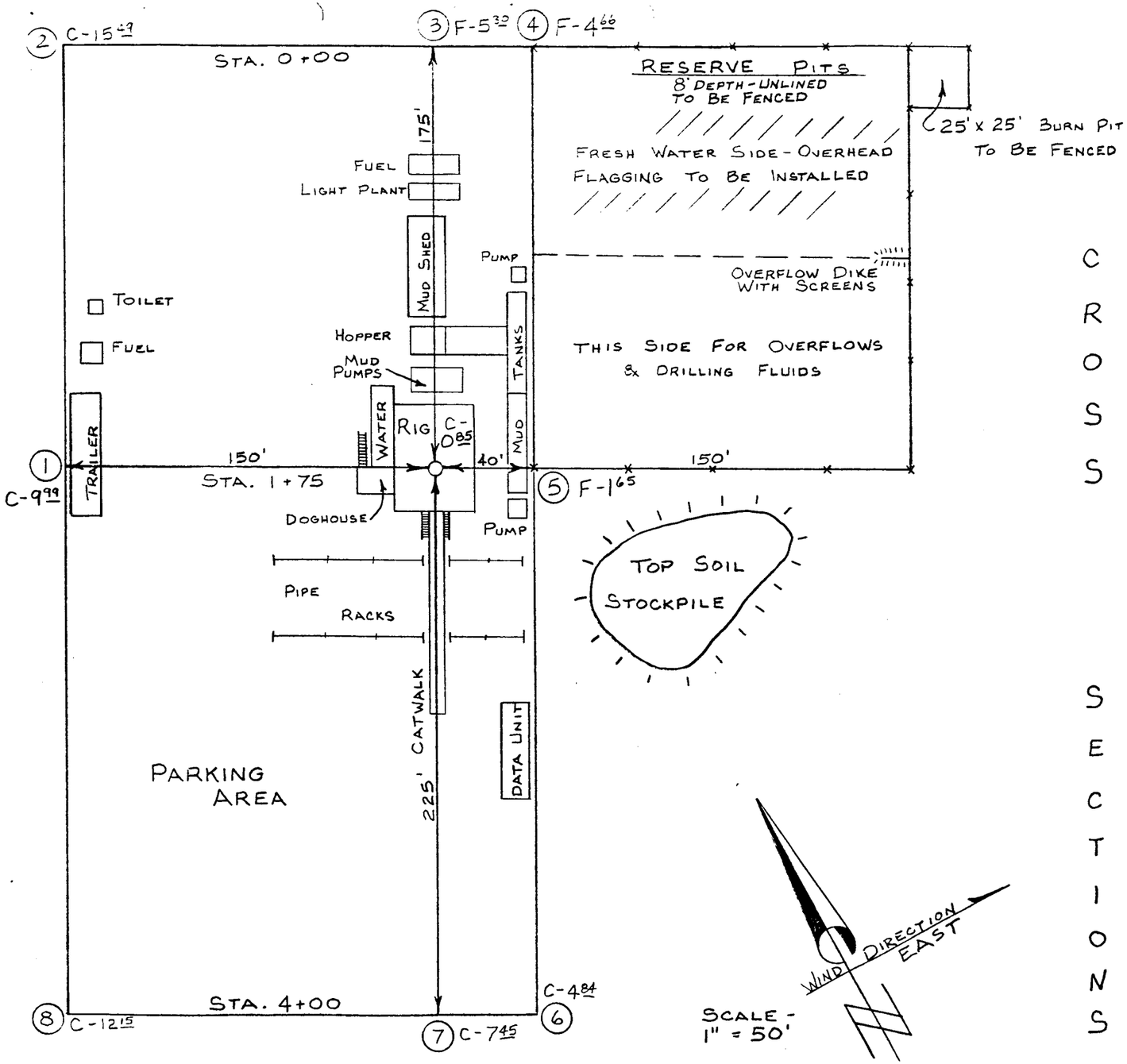
LOCATION LAYOUT

FOR

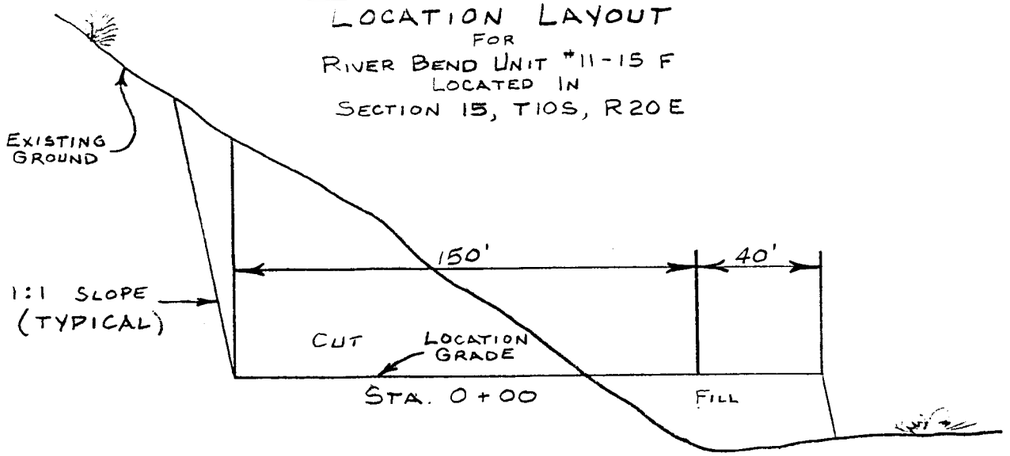
RIVER BEND UNIT #11-15 F

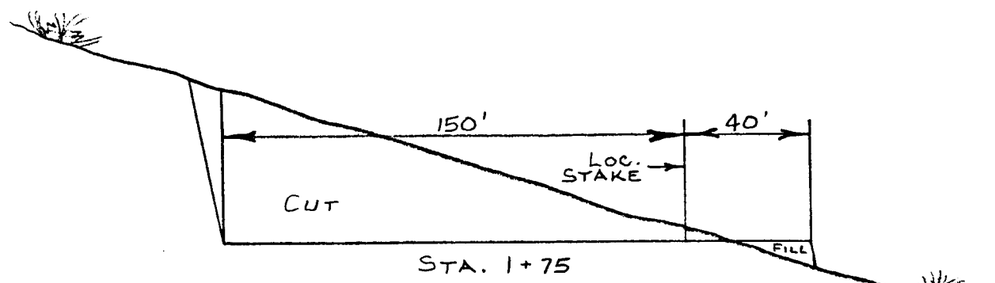
LOCATED IN

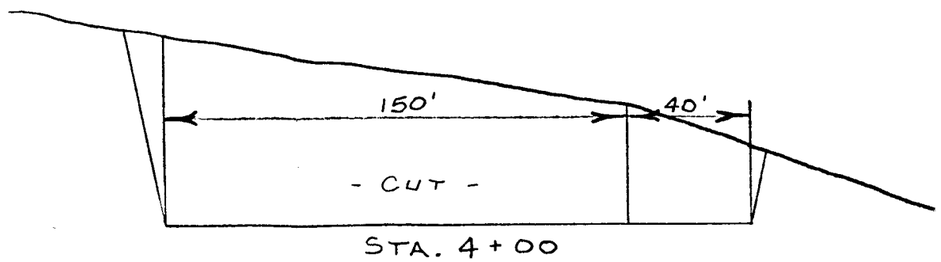
SECTION 15, T10S, R20E



CROSS SECTIONS







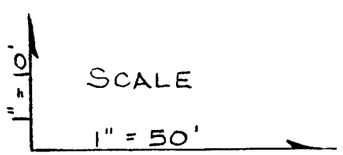
SOILS LITHOLOGY

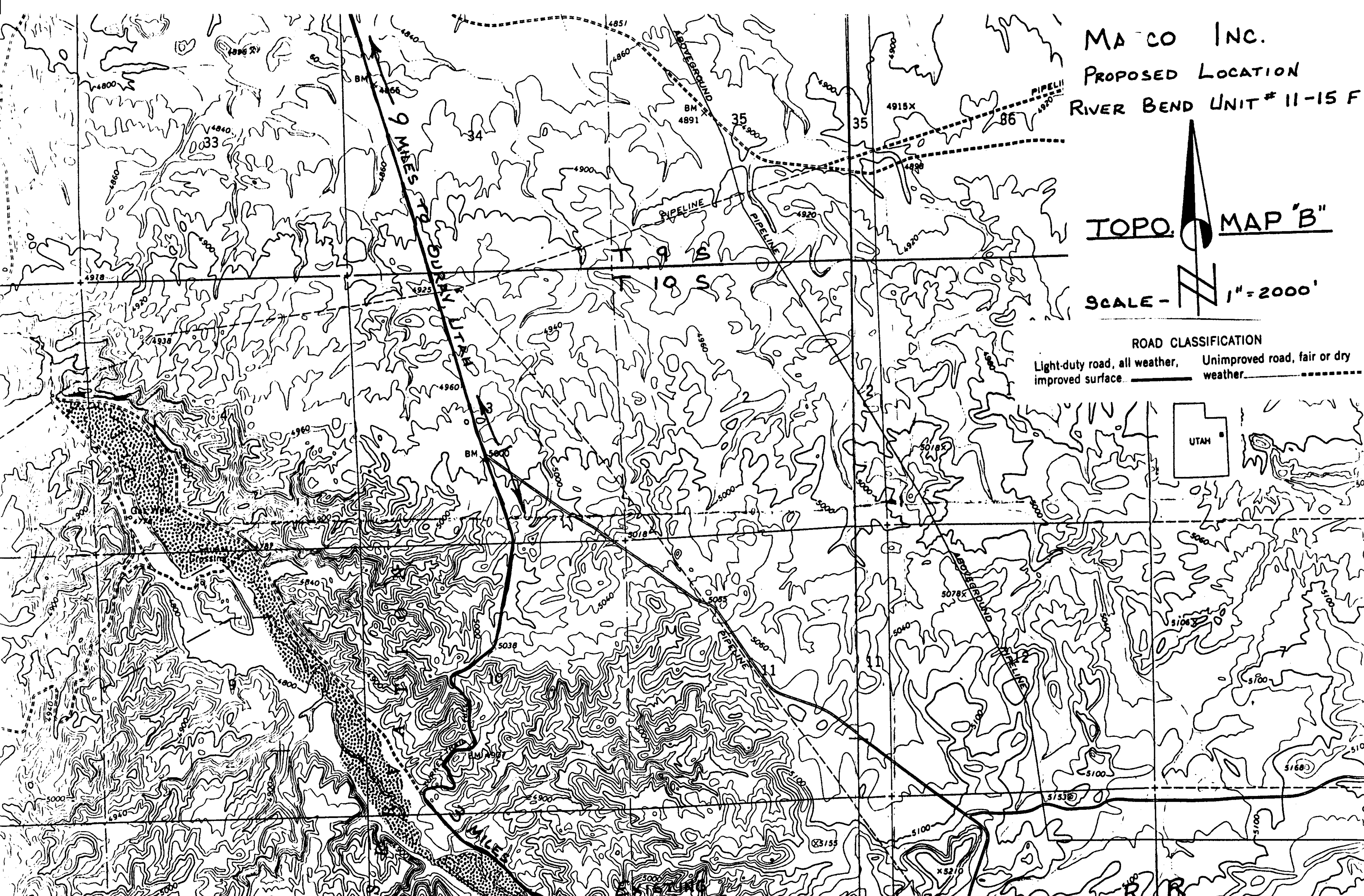
- NO SCALE -

APPROX. YARDAGES

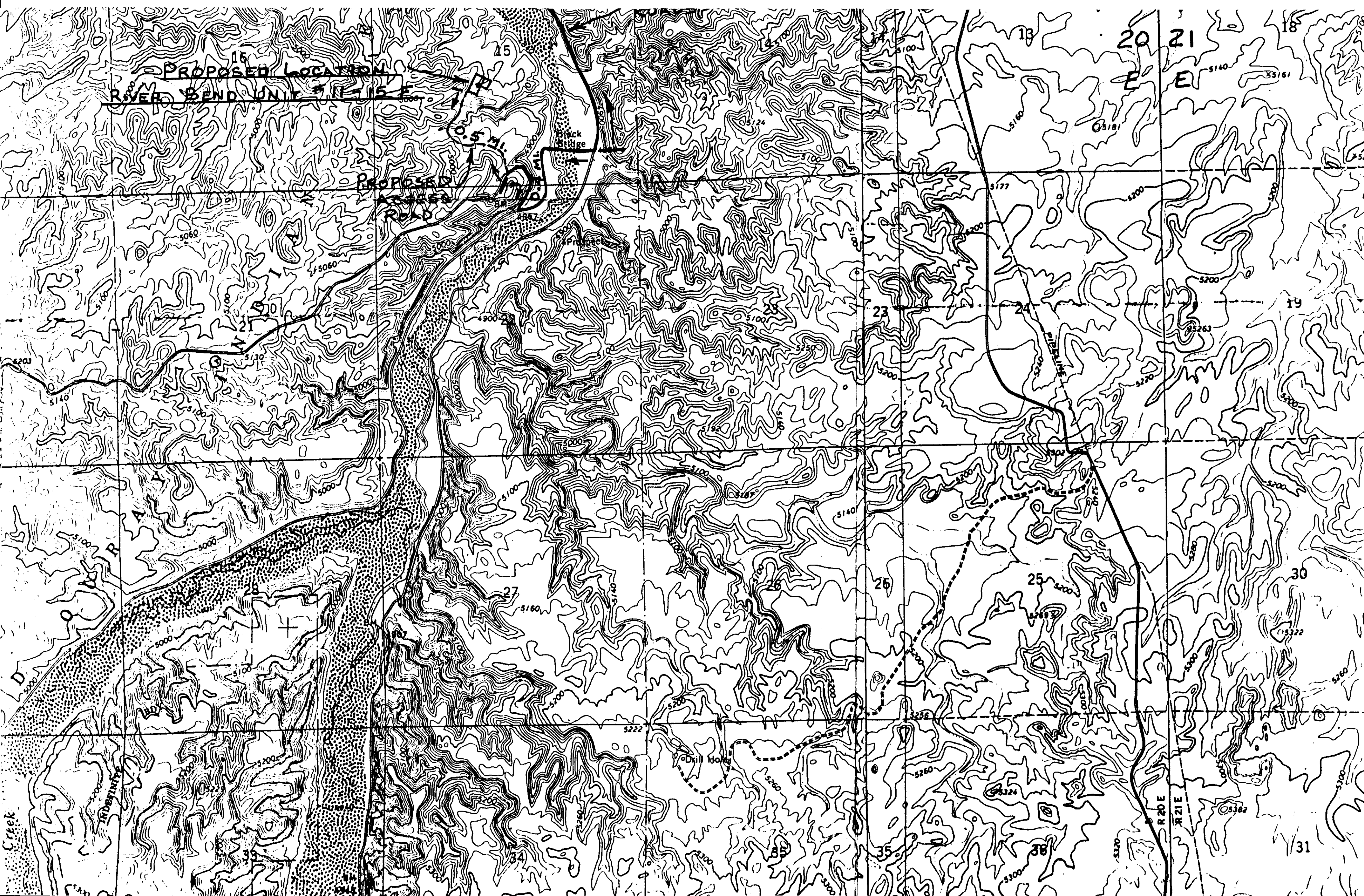
CUT - 16,762 CU. YDS.

FILL - 1,181 CU. YDS.





MA CO INC.
PROPOSED LOCATION
RIVER BEND UNIT # 11-15 F
TOPO. MAP "B"
SCALE - 1" = 2000'
ROAD CLASSIFICATION
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
UTAH
9 MILES TO OURAY, UTAH
3 MILES
EXISTING
T 9 S
T 10 S
PIPELINE
ABOVEGROUND
ABOVEGROUND PIPELINE
BM 4866
BM 4891
BM 5000
BM 4907
4851
4915X
5018X
5078X
5106
5153
5168
5155
5210
5085
5038
5018
4925
4938
4978
Gas Well



PROPOSED LOCATION
RIVER BEND UNIT #11-15 E
0.5 MI.
PROPOSED ACCESS ROAD
Black Bridge
Prospect
Drill Hole
PIPELINE
20 21
E E
R 20 E
R 21 E
INDEFINITE
Creek

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: March 10 -

Operator: Mapco Inc.

Well No: Ryder Bend Unit 11-15F

Location: Sec. 15 T. 10S R. 20E County: Uintah

File Prepared: / ✓ / *Entered on N.I.D.:* / ✓ /

Card Indexed: / ✓ / *Completion Sheet:* / ✓ /

API NUMBER: 43-047-30375

CHECKED BY:

Administrative Assistant SW

Remarks:

Petroleum Engineer _____

Remarks: Need change in surface casing size

Director 7

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: / OK / *Survey Plat Required:* / /

Order No. _____ / / *Surface Casing Change to* _____ / /

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site / /

O.K. Rule C-3 / / *O.K. In* Ryder Bend *Unit* / X /

Other:

/ ✓ / ~~Better Written~~/Approved

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

August 17, 1978

Mapco Inc.
Suite 320 Plaza West
1537 Avenue D
Billings, Montana 59102

Re: Well locations listed on attached sheet

Gentlemen:

Our records indicate that you have not filed a Monthly Report of Operations for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, & MINING

Tammy Edge
Typist

Well No. River Bend Unit 7-21F
Sec. 21, T. 10S, R. 20E
Uintah County, Utah
May 1978-July 1978

Well No. River Bend Unit 11-15F
Sec. 15, T. 10S, R. 20E
Uintah County, Utah
May 1978-July 1978

Well No. River Bend Unit Federal 11-18F
Sec. 18, T. 10S, R. 20E
Uintah County, Utah
May 1977-July 1978

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16305

2. NAME OF OPERATOR: MAPCO Inc.

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: Suite 320 Plaza West, 1537 Avenue D., Billings, Montana 59102

9. WELL NO.: RBU 11-15F

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2111' FWL & 1991' FSL NE SW Section 15

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15 T. 10 S., R. 20 E.

14. PERMIT NO.: 43-047-30376

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4914' GL

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other) XX Install Flowline	☐			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Proposal - lay approximately 1.2 miles of 3-1/2" gas sales line from the RBU 11-15F well southwest to the RBU 7-21F well where it will tie into a proposed 3-1/2" line which goes to the tie in of the 20", 500 psig Mountain Fuel Sales line in the SW/4 of Section 10, T. 10 S., R. 20 E., Uintah County, Utah. The proposed flowline is shown in red on the Attachment No. 1. The pipeline which will be layed on the surface, will be constructed using 3-1/2" OD, .156" wall thickness, API5L, Gr. B, Plain End, seamless if available, otherwise ERW linepipe. Mill test pressure is 1870 psig.

The relationship of the production equipment on the well location is shown on Attachment No. 2. Attachment No. 1 also shows approximate locations of drip pots.

The line will be used to carry 1 MMCFD initially.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 10/23/78
BY: C.B. Feight

18. I hereby certify that the foregoing is true and correct

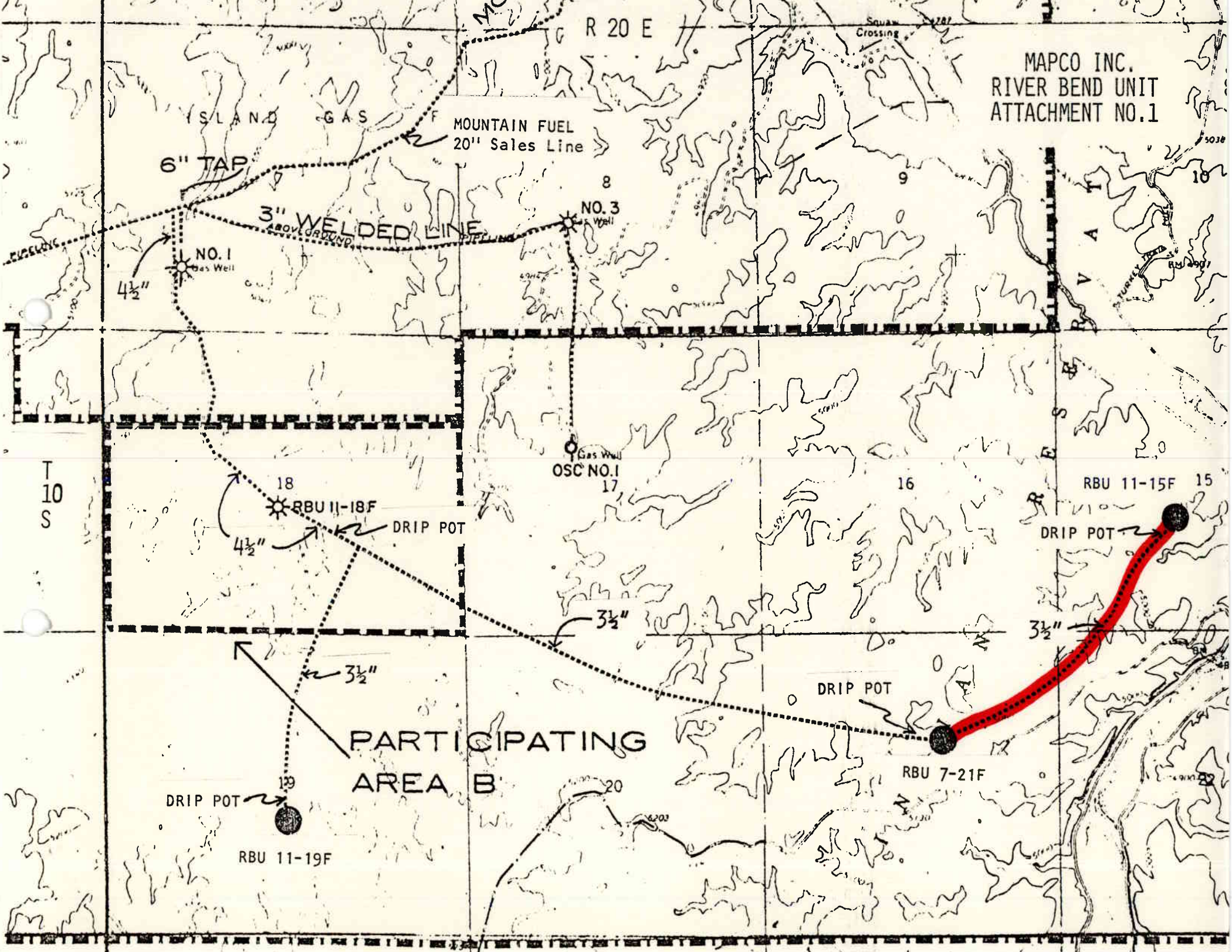
SIGNED J. D. Hollimon TITLE Manager of Operations Northern District DATE 10-16-78

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

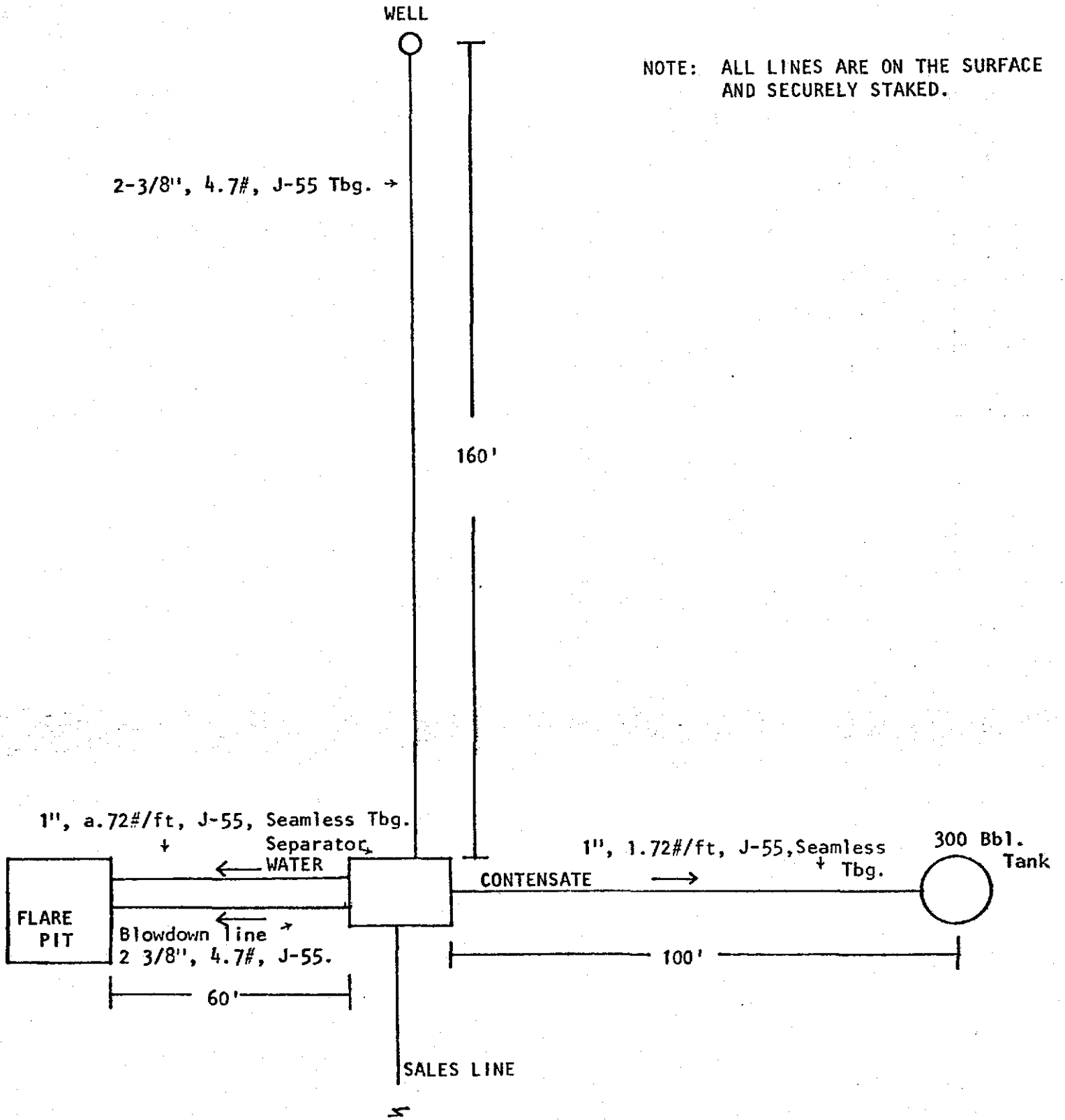
*See Instructions on Reverse Side


MAPCO INC.
RIVER BEND UNIT
ATTACHMENT NO.1
R 20 E
ISLAND GAS
MOUNTAIN FUEL
20" Sales Line
6" TAP
3" WELDED LINE
ABOVE GROUND
NO. 3
Gas Well
NO. 1
Gas Well
4½"
8
9
10
T
10
S
18
RBU 11-18F
DRIP POT
4½"
Gas Well
OSC NO. 1
17
16
RBU 11-15F
15
DRIP POT
3½"
3½"
3½"
DRIP POT
PARTICIPATING
AREA B
RBU 7-21F
19
DRIP POT
RBU 11-19F
20
6203

Subject: RIVER BEND UNIT No. 11-15F
NE SW Section 15
T. 10 S., R. 20 E.
UINTAH COUNTY, UTAH

Date 10-16-78
Sheet of
By GLE

ATTACHMENT NO. 2



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-R0356

MONTHLY REPORT OF OPERATIONS

Lease No. U-7206
Communitization Agreement No. NA
Field Name NA
Unit Name RIVER BEND UNIT
Participating Area NA
County UINTAH State UTAH
Operator MAPCO, Inc.

☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of OCTOBER, 1978

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
11-15F	15 NESW	10S	20E	PGW	0	0	0	0	Drilling well. Completion operation, testing.

*If none, so state.

Disposition of production (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold			XXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXX

Authorized Signature: J. M. Vogt

Address: 1537 Ave. D., Suite 320
Billings, Montana 59102

Title: SECRETARY

Page _____ of _____

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED
JAN 22 1979
DIVISION OF OIL, GAS, & MINING

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16305

8. FARM OR LEASE NAME:

9. WELL NO.: RBU 11-15F

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 15 T. 10 S., R. 20 E.

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR: MAPCO Inc.

3. ADDRESS OF OPERATOR: Suite 320 Plaza West 1537 Ave. D., Billings, Montana 59102

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 2111' FWL & 1991' FSL NE SW
At top prod. interval reported below
At total depth: Same

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. PERMIT NO.: 43-047-30376 DATE ISSUED: 3-10-78

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7-21-78	9-21-78	10-31-78	4917' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8210'	8210'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5248' - 6094' Wastach

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL-FDC, BHC, DLL

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	513	12-1/2	250 Sacks "G"	None
5-1/2"	17#	8210	7-7/8	2681 Sacks RFC & 50-50 Poz	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	5013	None

31. PERFORATION RECORD (*Interval, size and number*): 5248'-6094' (20 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5248'-6094'	2000 gals 15% HCl
	85000 gals gelled water
	137000 #10-20 Sand

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
11-14-78	Flowing	Shut-In

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-26-78	24	21/64		0	504	0	NA

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
500	- -		0	504	0	NA

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented

TEST WITNESSED BY: Darwin Kulland

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE Reservoir and Production Engineer DATE January 19, 1979

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Wasatch	4408'	4408'
Chapita Wells	5066'	5066'
Uteland Buttes	6106'	6106'
Mesaverde	7408'	7408'

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
837-497

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16305

2. NAME OF OPERATOR: MAPCO Inc.

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: Suite 320 Plaza West, 1537 Avenue D., Billings, Montana 59102

9. WELL NO.: RBU 11-15F

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2111' FWL & 1991' FSL, NE SW Section 15

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15, T. 10 S., R. 20 E.

14. PERMIT NO.: 43-047-30376

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4914' GL

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Flowline			X
(Other)				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Laid flowline as shown on attachment #1. For a description of the flowline please see attached cover letter to E. W. Guynn dated 2-27-79. Attachment 2A shows the location of wellhead with respect to the surface installations.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Production and Reservoir Engineer DATE February 27, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

RIVER BEND UNIT #11-15F

NE SW Section 15, T. 10 S., R. 20 E.

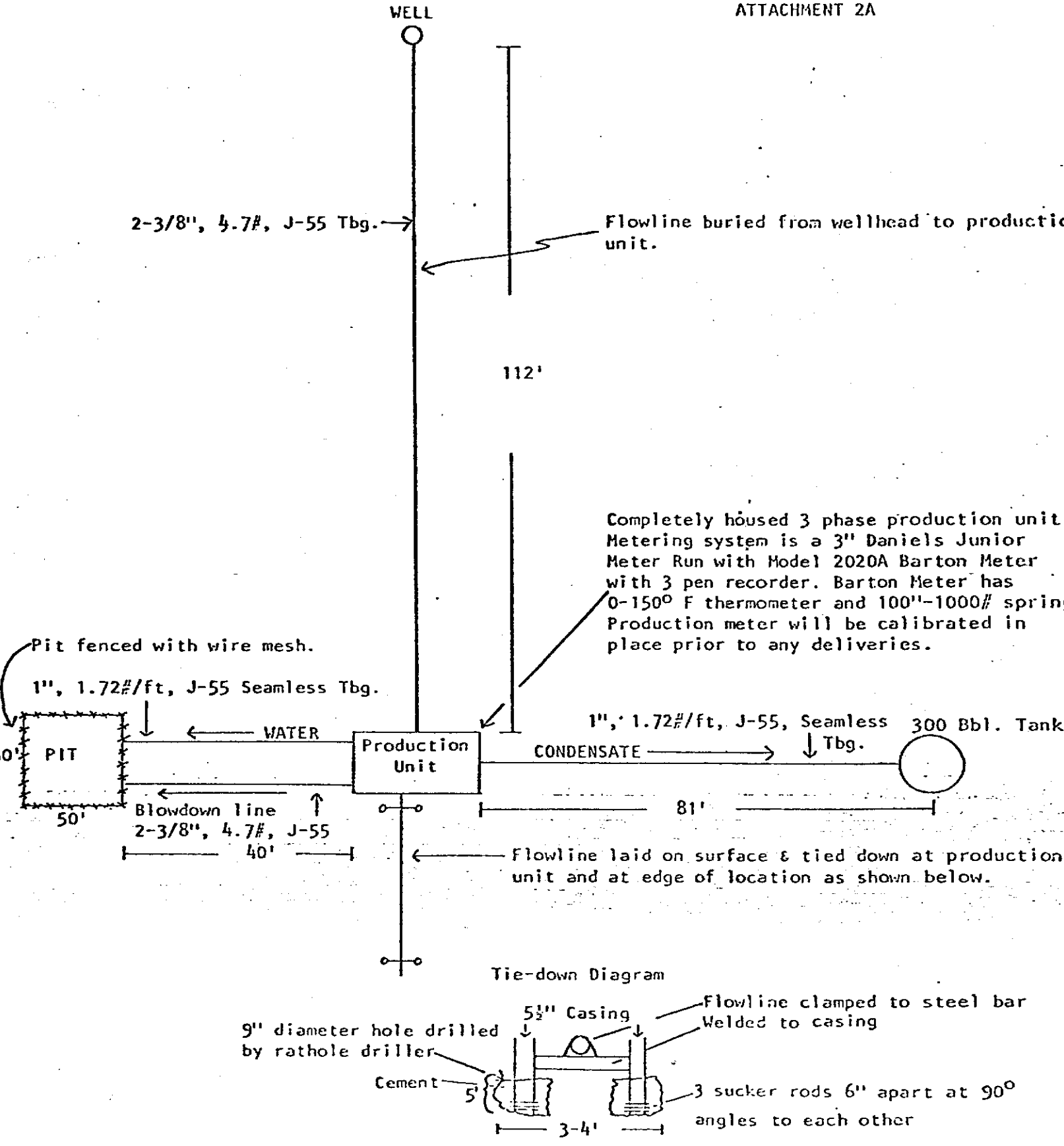
Uintah County, Utah

Date

Sheet of

By

ATTACHMENT 2A



Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16305

2. NAME OF OPERATOR: MAPCO Inc.

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: Suite 320 Plaza West, 1537 Avenue D., Billings, Montana 59102

9. WELL NO.: RBU 11-15F

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2111' FWL & 1991' FSL, NE SW Section 15

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15, T. 10 S., R. 20 E.

14. PERMIT NO.: 43-047-30376

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4914' GL

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other) Flowline			X	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. It is proposed that instead of burying the flowline 500' downstream from the production unit as requested that two (2) tie-downs as shown on attachment 2A be installed. This procedure would secure the flowline as well as prevent any unnecessary environmental disturbance.

2. It is also proposed that MAPCO be permitted to wait until the weather is more favorable for digging before burying the flowline from the wellhead to the production unit.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Production and Reservoir Engineer DATE February 27, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

mapco INC.

PRODUCTION DIVISION - NORTHERN DISTRICT

February 27, 1979

RECEIVED
MAR 2 1979
DIVISION OF OIL, GAS, & MINING

U. S. Department of the Interior
Geological Survey Conservation Division
8426 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Attention: Mr. E. W. Guynn, District Engineer

For Attch 2-A

Re: Sundry Notices on the Installation of flowlines for the following wells: ~~RBU 11-15F~~ 7-21F, 11-19F, 11-18F, OSC #1, RBU 11-13E and 11-16E.

Gentlemen:

The following is a description of the flowlines installed in January of 1979 to connect our new River Bend Unit wells to Mountain Fuels main 20" gas sales line. All of these flowlines end up at a common tie in at a tap in Mountain Fuels main 20" sales line located at a point in the SW/4 of Section 7, T. 10 S., R. 20 E. The locations of these flowlines are shown in red on attachment #1. The Sundry Notices for all wells involved are enclosed. All flowlines were welded and layed on the surface. Plats showing the locations of wells with respect to surface installations are attached. (Attachments 2A, 2B, 2C, 2D, 2E). Please note on the well surface installation lay out plats that the approximate size of all pits are indicated as being 50' x 50'. Some of these pits are presently larger than that, but when the weather permits all pits will be reduced to at least 50' x 50' and will be refenced.

(Line #1) 1.1 miles of 4-1/2" used linepipe was layed from the RBU 11-15F Southwest to the RBU 7-21F. (Line #2) 1.4 miles of 4-1/2" used linepipe was layed from the RBU 7-21F Northwest to a point in the SW/4 of Section 17, T. 10 S., R. 20 E. (Line #3) .6 miles of 3-1/2" used linepipe was layed South from the OSC #1 to a point in the SW/4 of Section 17, T. 10 S., R. 20 E. This line used to run from the OSC #1 North to the Island Unit well #3 and was dragged from there to the present location. (Line #4) .7 miles of 4-1/2" new linepipe was layed from a point in the SW/4 of Section 17, T. 10 S., R. 20 E. Northwest to a point in the SE/4 of Section 18, T. 10 S., R. 20 E. (Line #5) .9 miles of 3-1/2" used linepipe was layed from the RBU 11-19F Northeast to a point in the SE/4 of Section 18, T. 10 S., R. 20 E. (Line #6) .4 miles of 4-1/2" new linepipe was layed from a point in the SE/4 of Section 18, T. 10 S., R. 20 E. Northwest to the RBU 11-18F. (Line #7) .9 miles of 4-1/2" new linepipe was layed from the RBU 11-18F Northwest to Mountain Fuels Island Unit #1. This line replaced an existing 3-1/2" line. (Line #8) .2 miles of 4-1/2" new linepipe was layed from the Island Unit #1 North to a tap in Mountain Fuels main 20" line located at a point in the SW/4 of Section 7, T. 10 S., R. 20 E. This line replaced an existing 3-1/2" line.

DESCRIPTION OF FLOWLINE CONSTRUCTION MATERIALS

Line #	Length Miles	Used	New	Size Inches	Weight, #/Ft.	Grade	Wall Thickness, Inches	Mill Test Pressure, PSIG	Working Pressure Rated, PSIG
1	1.1	X		4-1/2	6.55	X-42	.141	1580	1896
2	1.4	X		4-1/2	6.55	X-42	.141	1580	1896
3	.6	X		3-1/2	UNK.	UNK.	UNK.	*1300	*1542
4	.7		X	4-1/2	7.25	Grade B	.156	1300	1747
5	.9	X		3-1/2	7.58	Grade B	.216	2500	4319
6	.4		X	4-1/2	7.25	Grade B	.156	1300	1747
7	.9		X	4-1/2	7.25	Grade B	.156	1300	1747
8	.2		X	4-1/2	7.25	Grade B	.156	1300	1747

*Since weight and grade of this old line is unknown the minimum properties for 3-1/2" linepipe were assumed.

In September of 1978, a 3-1/2" flowline was layed on the surface from the RBU 11-13E Northwest .7 miles to a tap in Mountain Fuel's main 20" sales line located in the NE/4 of Section 14, T. 10 S., R. 19 E. This line is used grade B, 7.58 lbs per foot, .216 WT, welded linepipe. Mill test pressure is 2500 psig and working pressure is rated at 4319 psig. The location of this line is shown in red on attachment #1. Attachment #2F is a plat showing the location of the RBU 11-13E with respect to the surface installations.

In July of 1977, a 2-7/8" flowline was layed on the surface from the RBU 11-16E North then Northeast 1.0 miles to the OSC 7-15 location where it ties into the 2-7/8" screwed tubing line running from the OSC #7-15 South then Northeast to a tap in Mountain Fuels main 20" sales line at a point in the NE/4 of Section 14, T. 10 S., R. 19 E. The location of this flowline is shown in red on Attachment #1. This line is 2-7/8" 6.5 lbs per foot, .217 WT, N-80 screwed tubing. Internal yield pressure of this line is 10,570 psig and working pressure is rated at 2717 psig. Attachment #2G is a plat showing the location of the RBU 11-16E with respect to the surface installations.

Very truly yours,

MAPCO Inc.

James J. Benner
Production and Reservoir
Engineer

JJB/jv

Please find the enclosures as listed on Page 3.

Enclosure:
1. RBU 11-15F Sundry Notices on flowlines and surface installations.
2. RBU 7-21F Sundry Notices on flowlines and surface installations.
3. RBU 11-19F Sundry Notices on flowlines and surface installations.
4. RBU 11-18F Sundry Notices on flowlines and surface installations.
5. OSC #1 Sundry Notices on flowlines and surface installations.
6. RBU 11-13E Sundry Notices on flowlines and surface installations.
7. RBU 11-16E Sundry Notices on flowlines and surface installations.
8. Attachment #1 - Topographic Map of the RBU Area showing locations of all wells and locations of flowline installations.
9. Attachment 2A - Plat showing location of RBU 11-15F with respect to surface installations.
10. Attachment 2B - Plat showing location of RBU 7-21F with respect to surface installations.
11. Attachment 2C - Plat showing location of RBU 11-19F with respect to surface installations.
12. Attachment 2D - Plat showing location of RBU 11-18F with respect to surface installations.
13. Attachment 2E - Plat showing location of OSC #1 with respect to surface installations.
14. Attachment 2F - Plat showing location of RBU 11-13E with respect to surface installations.
15. Attachment 2G - Plat showing location of RBU 11-16E with respect to surface installations.

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: MAPCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR: Suite 320, Plaza West
1537 Ave. D., Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

2111' FWL & 1991' FSL
NE SW Section 15

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME:

9. WELL NO.: RBU 11-15F

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15
T. 10 S., R. 20 E.

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. PERMIT NO.: 43-047-30376

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4914' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
FRACTURE TREAT	X	MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CASING	
SHOOT OR ACIDIZE	X	ABANDON*		SHOOTING OR ACIDIZING		ABANDONMENT*	
REPAIR WELL		CHANGE PLANS		(Other)			
(Other) Mesaverde Stim.				(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

ESTIMATED STARTING DATE: 5-14-79

1. MIRU workover unit. Kill well w/ 2% Kcl water. Install 1500 series BOP's (6" - 5000 psig working pressure, 10000 psig test. BOP's to be operated daily.
2. POOH with 2-3/8" tubing.
3. Perforate Mesaverde sands from 7408' - 8210' with 20± holes.
4. RIH with 2-7/8" tubing and packer to 7350'±. Set packer.
5. RU treating company and pressure test surface lines to 7000 psig.
6. Breakdown perfs with 2000 gals of 7-1/2% Hcl and ball sealers.
7. RIH with tubing, packer, and ballwiper shoe to below bottom perfs. POOH and set packer at 7500'±. Install wellhead.
8. RD and release workover unit.
9. Frac Mesaverde perfs from 7408' - 8210'± with 70,000 gals of gelled water and 100000#'s of 20/40 sand. Maximum anticipated treating pressure 6000± psig.
10. Flow well to pit to clean up frac fluid.
11. Test well through 3 phase production unit with Barton meter.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 8-9-79
BY: M. J. Minder

18. I hereby certify that the foregoing is true and correct

SIGNED James J. Jensen TITLE Regional Engineer DATE April 17, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16035

2. NAME OF OPERATOR: MAPCO PRODUCTION COMPANY

8. FARM OR LEASE NAME:

3. ADDRESS OF OPERATOR: Suite 320 Plaza West, 1537 Avenue D., Billings, Montana 59102

9. WELL NO.: RBU 11-15F

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2111' FWL & 1991' FSL, NE SW Section 15

10. FIELD AND POOL, OR WILDCAT: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15, T. 10 S., R. 20 E.

14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH	13. STATE
43-047-30376	4914' GL	Uintah	Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	X	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	X	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other) WASATCH COMPLETION			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

JOB #1

ESTIMATED STARTING DATE: July 19, 1979

1. MIRU workover unit. Kill well with 2% Kcl water and install 1500 series BOP's (6" - 5000 psig working pressure, 10,000 psig test). BOP's to be operated daily.
2. POOH with 2-3/8" tubing.
3. RIH and set BP at 7400'±.
4. Perforate the following intervals of the Wasatch: Uteland Buttes from 7314-6458' with 9 holes; and the Upper Wasatch from 5018-4547' with 14 holes.
5. RIH with 2-7/8" tubing and packer, set packer at 6200'±.
6. RU treating company and pressure test surface lines to 7000± psig.
7. Treat Uteland Buttes perfs from 7314-6478' with 45,000 gals of gelled water and 65,000 #'s of 20/40. Treating pressure anticipated to be 5500± psig.
8. Release BP, RIH and clean out to BP. PU and set BP at 5000'±. PU and set packer at 4400'±.
9. RU treating company and pressure test surface lines to 7000 psig.
10. Treat Upper Wasatch perfs from 5018-4547' with 85,000 gals of gelled water and 110,000 #'s of 10/20 sand. Treating pressure anticipated to be 5500 psig.
11. RIH, retrieve BP, POOH with tubing & BP. RIH with tubing to 4000'±.
12. Flow well back to pit to clean up frac fluid.
13. Return well to production.

18. I hereby certify that the foregoing is true and correct

SIGNED James F. Brenner TITLE Regional Engineer DATE May 7, 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: P. L. Driscoll/KA

*See Instructions on Reverse Side

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

7. UNIT AGREEMENT NAME: River Bend #14-08-0001-16035

8. FARM OR LEASE NAME:

2. NAME OF OPERATOR: MAPCO PRODUCTION COMPANY

9. WELL NO.: RBU 11-15F

3. ADDRESS OF OPERATOR: Alpine Executive Center
1643 Lewis Ave., Suite 202
Billings, Montana 59102

10. FIELD AND POOL, OR WILDCAT: River Bend

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 2111' FWL & 1991' FSL, NE SW
At top prod. interval reported below: SAME
At total depth: SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 15, T. 10 S., R. 20 E.

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-047-30376	3-10-78	Uintah	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
7-21-78	9-21-78	10-31-78	4917' K.B.	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
8210'	8210'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 8004-7791 Mesaverde

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL-FDC, BHC, DLL

27. WAS WELL CORED: NO

28. CASING RECORD (*Report all strings set in well*)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	513'	12-1/2"	250 sacks class 'G'	None
5-1/2"	17#	8210'	7-7/8"	2681 sacks RFC & 50-50 poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5000'	None

31. PERFORATION RECORD (*Interval, size and number*)
8004, 8002, 8000, 7997, 7995, 7990, 7956, 7954, 7927, 7925, 7920, 7919, 7796, 7795, 7792, 7791, Total 16'.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7791-8004	20,000 gals Apollo 50 pad (gelled H20), 27,550 gelled H20 Apollo 40, 92,000# 20-40 sand, 1600 gals 15% HCl.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
11-14-78	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-18-79	24	15/64"		0	345	TSTM	NA

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
900 psi	900 psi		0	345	TSTM	NA

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): SOLD

TEST WITNESSED BY: Darwin Kulland

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Richard Baumann Richard Baumann TITLE Engineering Technician DATE 2-12-80

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.
Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Wasatch	4408	
Chapita Wells	5066	
Uteland Buttes	6106	
Mesaverde	7408	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636
837-497

9-331
1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well XX other

2. NAME OF OPERATOR: MAPCO PRODUCTION COMPANY
Alpine Executive Center

3. ADDRESS OF OPERATOR: 1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NE/4 SW/4 2111' FWL & 1991' FSL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: River Bend Unit

8. FARM OR LEASE NAME:

9. WELL NO.: 11-15F

10. FIELD OR WILDCAT NAME: River Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Section 15, T. 10 S., R. 20 E

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

14. API NO.: 43-047-30376

15. ELEVATIONS (SHOW DF, KDB, AND WD): 4914' GL

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	☐		☐
FRACTURE TREAT	☐		X
SHOOT OR ACIDIZE	☐		X
REPAIR WELL	☐		☐
PULL OR ALTER CASING	☐		☐
MULTIPLE COMPLETE	☐		☐
CHANGE ZONES	☐		☐
ABANDON*	☐		☐
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SEE ATTACHED REPORT

RECEIVED
FEB 14 1980
DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Richard Baumann TITLE Engineering Tech. DATE 2-12-80
Richard Baumann

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

EXPRESS MAIL ROUTING SLIP

PAM	1-27 9:00
TAMI	1-27 9:15
VICKY	11:15
CLAUDIA	11:30 a
STEPHANE	1-27 11:50
CHARLES	CA 1-27 11:55
RULA	RM 1-27 1:06
MARY ALICE	MAP 1-27 1:23
CONNIE	CA 1-27 1:26
MILLIE	MS 1-27 2:00

CNG PRODUCING COMPANY
TULSA DIVISION

February 15, 1985

State of Utah
Division of Oil, Gas and Mining
335 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Transfer of Ownership and
Operations
Oil and Gas Wells
State of Utah

Gentlemen:

This letter is to inform you that:

CNG Producing Company
705 S. Elgin Ave., P. O. Box 2115
Tulsa, Oklahoma 74101-2115

has acquired the ownership and operations of oil and gas wells formerly owned and operated by:

MAPCO Oil & Gas Company
Tulsa, Oklahoma

Attached is a listing of wells involved in the transfer. Should there be any question regarding this matter, I may be contacted at (918)599-4005.

Sincerely,

Greg Bechtol

Greg Bechtol
Sr. Engineering Technician

GB/sr
Attachment

705 SOUTH ELGIN AVENUE POST OFFICE BOX 2115 TULSA, OKLAHOMA 74101-2115 (918) 599-3800
TELEX: 497-560 TELECOPY: 918-592-2282

RIVER BEND UNIT NO. 14-08-0001-16035
UINTAH COUNTY, UTAH

Status of All Wells Located Within the River Bend Unit

	Well Name	Location	Status
1.	OSC No. 1	SE NW Sec. 17-T10S-R20E	Water supply well
2.	OSC No. 2	NW SE Sec. 3-T01S-R20E	Suspended gas well
3.	OSC No. 3	SW NE Sec. 10-T10S-R20E	Plugged & abandoned
4.	OSC No. 4	NW NE Sec. 30-T 9S-R20E	Suspended gas well
5.	OSC No. 4A	NW NE Sec. 30-T 9S-R20E	Suspended gas well
6.	OSC No. 5	NE NE Sec. 2-T10S-R18E	Producing oil well
7.	Natural 1-2	SE NW Sec. 2-T10S-R20E	Plugged & abandoned
8.	OSC No. 7-15	SW NW Sec. 15-T10S-R19E	Producing gas well
9.	RBU 11-16E	NE SW Sec. 16-T10S-R19E	Producing gas well
10.	RBU 11-18F	NE SW Sec. 18-T10S-R20E	Producing gas well
11.	RBU 11-13E	NE SW Sec. 13-T10S-R19E	Producing gas well
12.	RBU 7-21F	SW NE Sec. 21-T10S-R20E	Producing gas well
13.	RBU 11-15F	NE SW Sec. 15-T10S-R20E	Producing gas well
14.	RBU 11-19F	NE SW Sec. 19-T10S-R20E	Producing gas well
15.	RBU 11-10E	NE SW Sec. 10-T10S-R19E	Producing gas well
16.	RBU 11-23E	NE SW Sec. 23-T10S-R19E	Producing gas well
17.	RBU 11-21E	NE SW Sec. 21-T10S-R19E	Producing oil well
18.	RBU 11-14E	NE SW Sec. 14-T10S-R19E	Producing gas well
19.	RBU 11-16F	NE SW Sec. 16-T10S-R20E	Producing gas well
20.	RBU 11-36B	NE SW Sec. 36-T 9S-R19E	Plugged & abandoned
21.	FED 7-25B	SW NE Sec. 25-T 9S-R19E	Producing oil well
22.	RBU 7-11F	SW NE Sec. 11-T10S-R20E	Producing gas well
23.	RBU 11-17F	NE SW Sec. 17-T10S-R20E	Suspended gas well
24.	RBU 5-11D	SW NW Sec. 11-T10S-R18E	Producing gas well
25.	RBU 11-22E	NE SW Sec. 22-T10S-R19E	Producing gas well
26.	RBU 4-11D	NW NW Sec. 11-T10S-R18E	Producing oil well
27.	RBU 15-23F	SW SE Sec. 23-T10S-R20E	Plugged & abandoned
28.	RBU 11-3F	NE SW Sec. 3-T10S-R20E	Producing gas well
29.	RBU 11-2F	NE SW Sec. 2-T10S-R20E	Producing oil well
30.	RBU 7-22F	SW NE Sec. 22-T10S-R20E	Producing gas well
31.	RBU 8-14F	SE NE Sec. 14-T10S-R20E	Producing gas well
32.	RBU 6-20F	SE NW Sec. 20-T10S-R20E	Producing gas well
33.	RBU 11-24E	NE SW Sec. 24-T10S-R19E	Producing gas well
34.	RBU 7-10F	SW NE Sec. 10-T10S-R20E	Producing gas well
35.	RBU 1-10E	NE NE Sec. 10-T10S-R19E	Producing gas well
36.	RBU 1-15E	NE NE Sec. 15-T10S-R19E	Producing gas well
37.	RBU 1-22E	NE NE Sec. 22-T10S-R19E	Producing gas well
38.	RBU 1-14E	NE NE Sec. 14-T10S-R19E	Producing gas well
39.	RBU 1-23E	NE NE Sec. 23-T10S-R19E	Producing gas well
40.	RBU 2-11D	NW NE Sec. 11-T10S-R18E	Producing oil well
41.	RBU 4-19F	NW NW Sec. 19-T10S-R20E	Producing gas well
42.	RBU 16-3F	SE SE Sec. 3-T10S-R20E	Producing gas well
43.	RBU 13-11F	SW SW Sec. 11-T10S-R20E	Producing gas well
44.	RBU 16-16F	SE SE Sec. 16-T10S-R20E	Producing gas well
45.	RBU 6-2D	SE NW Sec. 2 T10S-R18E	Producing oil well

CNG PRODUCING COMPANY
TULSA DIVISION

RECEIVED
FEB 7 1985
DIVISION OF OIL
GAS & MINING

February 25, 1985

State of Utah
Division of Oil & Gas Mining
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

Effective January 1, 1985, CNG Producing Company, New Orleans, LA., purchased the oil and gas properties of MAPCO Oil & Gas Company located in the state of Utah. Attached is a list of the properties sold for which CNG will now be responsible.

Please direct any future correspondence concerning these wells to the address shown below:

CNG Producing Company - Tulsa Division
P. O. Box 2115
Tulsa, OK 74101-2115
Attention: Joe C. Lineback

Yours truly,

Joe C. Lineback

Joe C. Lineback
Manager of Accounting

JCL/cf

Attachment

705 SOUTH ELGIN AVENUE POST OFFICE BOX 2115 TULSA, OKLAHOMA 74101-2115 (918) 599-3800
TELEX: 497-560 TELECOPY: 918-592-2282

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
1500.	10.6	100.	45.	1.8	0.00
1501.	15.4	100.	34.	9.2	0.00
1502.	11.4	100.	36.	2.4	0.00
1509.	4.6	100.	50.	0.1	0.00
1517.	5.4	100.	46.	0.1	0.00
1518.	7.1	100.	41.	0.3	0.00
1519.	6.9	100.	43.	0.3	0.00
1521.	14.9	100.	34.	8.0	0.00
1522.	14.5	100.	33.	7.1	0.00
1523.	8.5	100.	39.	0.7	0.00
1524.	5.7	100.	43.	0.1	0.00
1525.	8.2	100.	40.	0.6	0.00
1526.	9.9	100.	31.	1.3	0.00
1527.	10.3	100.	36.	1.5	0.00
1528.	5.7	100.	47.	0.1	0.00
1550.	13.1	100.	47.	8.3	0.00
1552.	8.1	100.	47.	0.5	0.00
1553.	9.1	100.	44.	0.9	0.00
1554.	9.8	100.	42.	1.3	0.00
1555.	7.3	100.	47.	0.3	0.00
1556.	10.9	100.	43.	2.0	0.00
1557.	13.8	100.	44.	5.6	0.00
1558.	16.6	100.	38.	12.6	0.00
1559.	14.6	100.	38.	7.2	0.00
1560.	12.4	100.	40.	3.5	0.00
1561.	13.4	100.	39.	5.0	0.00
1562.	11.5	100.	45.	2.6	0.00
1563.	12.6	100.	40.	3.8	0.00
1564.	13.3	100.	32.	4.7	0.00
1565.	13.4	100.	33.	5.0	0.00
1566.	12.7	100.	34.	3.9	0.00
1567.	15.2	100.	30.	8.6	0.00
1568.	15.8	100.	33.	10.3	0.00
1569.	17.1	100.	36.	14.5	0.00
1570.	18.2	100.	38.	19.1	0.00
1571.	15.0	100.	38.	8.2	0.00
1572.	15.4	100.	29.	9.1	0.00
1573.	15.0	100.	28.	8.2	0.00
1574.	12.6	100.	39.	3.8	0.00
1575.	14.2	100.	35.	6.3	0.00
1576.	14.7	100.	30.	7.5	0.00
1577.	14.7	100.	37.	7.5	0.00
1578.	14.5	100.	45.	6.9	0.00
1585.	11.0	100.	47.	2.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
1586.	6.7	100.	49.	0.2	0.00
1589.	13.7	100.	43.	5.5	0.00
1590.	15.3	100.	36.	9.0	0.00
1594.	20.3	100.	35.	31.1	0.00
1595.	14.3	100.	38.	6.6	0.00
1596.	11.9	100.	43.	3.0	0.00
1603.	9.6	100.	48.	1.1	0.00
1633.	7.1	100.	46.	0.3	0.00
1634.	6.1	100.	47.	0.2	0.00
1639.	7.8	100.	49.	0.5	0.00
1663.	11.7	100.	46.	2.8	0.00
1664.	13.4	100.	30.	4.9	0.00
1668.	9.2	100.	44.	0.9	0.00
1669.	11.7	100.	37.	2.8	0.00
1670.	10.6	100.	42.	1.8	0.00
1673.	13.4	100.	36.	4.9	0.00
1674.	7.6	100.	47.	0.4	0.00
1677.	16.7	100.	41.	12.9	0.00
1678.	9.5	100.	44.	1.1	0.00
1680.	4.9	100.	42.	0.1	0.00
1681.	7.7	100.	48.	0.4	0.00
1682.	11.5	100.	49.	2.5	0.00
1683.	18.3	100.	31.	19.6	0.00
1684.	18.0	100.	32.	18.0	0.00
1685.	13.0	100.	35.	4.3	0.00
1686.	9.8	100.	44.	1.3	0.00
1693.	12.8	100.	47.	4.0	0.00
1696.	15.5	100.	50.	9.5	0.00
1711.	14.9	100.	44.	8.0	0.00
1712.	14.3	100.	40.	6.6	0.00
1713.	14.9	100.	42.	8.0	0.00
1714.	14.3	100.	47.	6.5	0.00
1736.	17.5	100.	48.	16.0	0.00
1756.	12.1	100.	49.	3.2	0.00
1757.	17.1	100.	42.	14.3	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
1758.	17.7	100.	38.	16.8	0.00
1759.	20.9	100.	37.	35.0	0.00
1760.	25.5	100.	40.	84.6	0.00
1761.	25.6	100.	46.	85.6	0.00
1762.	29.4	100.	38.	156.9	0.00
1763.	28.8	100.	36.	143.1	0.00
1764.	27.5	100.	34.	116.9	0.00
1765.	25.5	100.	31.	84.2	0.00
1766.	24.7	100.	34.	72.8	0.00
1770.	16.9	100.	44.	22.7	0.00
1774.	15.1	100.	41.	8.4	0.00
1775.	15.7	100.	42.	9.9	0.00
1776.	23.6	100.	36.	59.4	0.00
1777.	23.9	100.	39.	63.6	0.00
1778.	22.7	100.	37.	50.7	0.00
1779.	20.0	100.	42.	28.6	0.00
1780.	20.2	100.	38.	30.0	0.00
1784.	6.6	100.	48.	0.2	0.00
1796.	11.6	100.	37.	2.6	0.00
1797.	3.8	100.	43.	0.1	0.00
1806.	9.2	100.	38.	0.9	0.00
1807.	4.3	100.	42.	0.1	0.00
1808.	1.5	100.	46.	0.1	0.00
1902.	6.2	100.	46.	0.2	0.00
1914.	11.2	100.	48.	2.2	0.00
1915.	13.2	100.	42.	4.7	0.00
1917.	13.9	100.	42.	5.9	0.00
1918.	17.3	100.	32.	15.1	0.00
1919.	20.5	100.	28.	32.4	0.00
1920.	17.5	100.	31.	15.9	0.00
1921.	18.1	100.	32.	18.7	0.00
1922.	18.7	100.	37.	21.3	0.00
1923.	20.2	100.	40.	29.8	0.00
1924.	19.6	100.	44.	26.7	0.00
1928.	14.3	100.	46.	6.5	0.00
1929.	14.7	100.	39.	7.5	0.00
1930.	17.6	100.	36.	16.3	0.00
1931.	17.7	100.	40.	17.0	0.00
1932.	23.6	100.	45.	59.8	0.00
1936.	21.3	100.	34.	38.3	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
1937.	21.5	100.	25.	39.6	0.00
1938.	14.8	100.	46.	7.6	0.00
1939.	20.8	100.	36.	34.1	0.00
1940.	23.1	100.	31.	54.4	0.00
1941.	15.4	100.	45.	9.2	0.00
1962.	10.7	100.	47.	1.9	0.00
1963.	9.6	100.	49.	1.1	0.00
1965.	16.9	100.	43.	13.8	0.00
1966.	19.6	100.	30.	26.3	0.00
1967.	16.4	100.	29.	11.9	0.00
1968.	11.8	100.	45.	2.8	0.00
2010.	6.4	100.	48.	0.2	0.00
2011.	6.8	100.	48.	0.3	0.00
2025.	2.9	100.	49.	0.1	0.00
2026.	4.1	100.	42.	0.1	0.00
2027.	0.1	100.	48.	0.1	0.00
2085.	0.1	100.	47.	0.1	0.00
2086.	1.5	100.	39.	0.1	0.00
2087.	6.9	100.	34.	0.3	0.00
2088.	8.2	100.	36.	0.6	0.00
2102.	6.8	100.	47.	0.2	0.00
2114.	20.7	100.	19.	33.7	0.00
2115.	20.8	100.	23.	34.3	0.00
2116.	13.5	100.	40.	5.1	0.00
2117.	9.9	100.	43.	1.3	0.00
2120.	9.8	100.	45.	1.3	0.00
2121.	13.9	100.	37.	5.9	0.00
2122.	12.9	100.	34.	4.2	0.00
2123.	11.5	100.	41.	2.6	0.00
2124.	6.3	100.	48.	0.2	0.00
2125.	5.2	100.	48.	0.1	0.00
2129.	6.4	100.	49.	0.2	0.00
2137.	10.2	100.	49.	1.5	0.00
2138.	11.7	100.	40.	2.7	0.00
2139.	12.3	100.	38.	3.5	0.00
2140.	8.2	100.	44.	0.6	0.00
2151.	3.9	100.	50.	0.1	0.00
2155.	4.2	100.	50.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
2156.	6.0	100.	42.	0.1	0.00
2157.	4.0	100.	43.	0.1	0.00
2158.	5.5	100.	43.	0.1	0.00
2159.	6.6	100.	44.	0.2	0.00
2160.	11.0	100.	33.	2.1	0.00
2161.	8.4	100.	46.	0.6	0.00
2181.	5.3	100.	39.	0.1	0.00
2182.	7.9	100.	34.	0.5	0.00
2183.	8.7	100.	37.	0.7	0.00
2184.	9.5	100.	42.	1.1	0.00
2185.	9.5	100.	47.	1.1	0.00
2186.	14.0	100.	45.	5.9	0.00
2187.	14.7	100.	45.	7.4	0.00
2188.	10.8	100.	49.	1.9	0.00
2194.	19.0	100.	43.	22.9	0.00
2198.	15.5	100.	37.	9.5	0.00
2199.	10.4	100.	47.	1.6	0.00
2210.	7.5	100.	45.	0.4	0.00
2211.	9.7	100.	43.	1.2	0.00
2222.	13.8	100.	35.	5.6	0.00
2223.	20.1	100.	21.	28.5	0.00
2224.	20.0	100.	24.	29.1	0.00
2225.	17.7	100.	32.	16.9	0.00
2233.	17.9	100.	36.	17.7	0.00
2234.	20.1	100.	24.	29.6	0.00
2235.	15.0	100.	41.	8.2	0.00
2242.	12.0	100.	45.	3.0	0.00
2243.	18.0	100.	23.	17.9	0.00
2244.	17.1	100.	27.	14.6	0.00
2245.	13.9	100.	28.	5.8	0.00
2246.	8.4	100.	40.	0.6	0.00
2248.	17.4	100.	20.	15.7	0.00
2249.	19.9	100.	20.	28.1	0.00
2250.	19.0	100.	27.	22.9	0.00
2252.	16.3	88.	34.	11.6	0.00
2253.	10.4	100.	38.	1.6	0.00
2255.	6.2	100.	23.	0.2	0.00
2256.	9.2	100.	15.	1.0	0.00
2257.	11.0	100.	11.	2.0	0.00
2258.	13.0	100.	12.	4.4	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
2259.	18.0	78.	10.	18.3	0.02
2260.	18.0	47.	10.	18.0	0.11
2261.	17.0	61.	13.	14.1	0.17
2262.	18.2	48.	14.	19.0	0.27
2263.	17.6	73.	9.	16.5	0.31
2264.	17.8	58.	9.	17.1	0.38
2265.	18.0	68.	12.	18.2	0.44
2266.	17.1	70.	15.	14.3	0.49
2267.	13.2	73.	20.	4.6	0.53
2268.	12.7	98.	27.	3.9	0.55
2269.	14.2	100.	18.	6.4	0.55
2270.	10.5	96.	30.	1.7	0.00
2275.	11.8	100.	25.	2.8	0.00
2276.	7.9	100.	27.	0.5	0.00
2345.	3.6	100.	44.	0.1	0.00
2364.	14.7	100.	20.	7.4	0.00
2365.	11.1	100.	14.	2.2	0.00
2366.	8.8	100.	12.	0.8	0.00
2367.	12.3	100.	13.	3.4	0.00
2368.	13.9	91.	16.	4.1	0.01
2369.	11.8	38.	30.	2.5	0.07
2370.	10.0	5.	40.	1.4	0.00
2372.	8.5	100.	47.	0.2	0.00
2373.	13.5	100.	22.	5.2	0.00
2374.	8.9	100.	25.	0.8	0.00
2375.	2.0	100.	31.	0.1	0.00
2376.	1.9	100.	39.	0.1	0.00
2377.	2.7	100.	44.	0.1	0.00
2389.	12.1	100.	25.	3.1	0.00
2390.	13.2	100.	30.	4.7	0.00
2391.	10.0	100.	40.	1.4	0.00
2394.	7.6	100.	48.	0.4	0.00
2395.	10.7	100.	38.	1.9	0.00
2396.	10.4	100.	31.	1.6	0.00
2397.	7.5	100.	42.	0.4	0.00
2416.	15.3	100.	28.	8.9	0.00
2417.	16.3	100.	25.	11.7	0.00
2418.	12.7	100.	37.	3.9	0.00
2419.	8.6	100.	48.	0.7	0.00
2421.	11.6	100.	36.	2.6	0.00
2422.	7.9	100.	43.	0.5	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
2424.	12.0	100.	24.	3.1	0.00
2425.	13.0	100.	32.	4.3	0.00
2426.	12.3	100.	43.	3.4	0.00
2427.	15.1	100.	43.	8.3	0.00
2428.	13.7	100.	47.	5.5	0.00
2430.	18.3	100.	33.	19.5	0.00
2431.	14.8	100.	36.	7.6	0.00
2448.	9.6	100.	44.	1.1	0.00
2449.	13.9	100.	26.	5.8	0.00
2450.	10.8	100.	33.	1.9	0.00
2461.	0.1	100.	44.	0.1	0.00
2467.	3.9	100.	40.	0.1	0.00
2468.	9.0	100.	22.	0.9	0.00
2469.	6.2	93.	31.	0.2	0.00
2480.	12.7	100.	26.	3.9	0.00
2481.	11.0	100.	26.	2.1	0.00
2482.	7.3	100.	39.	0.3	0.00
2484.	0.9	100.	45.	0.1	0.00
2488.	2.2	100.	28.	0.1	0.00
2489.	1.7	100.	31.	0.1	0.00
2490.	9.4	100.	29.	1.0	0.00
2491.	8.3	100.	38.	0.6	0.00
2493.	2.1	100.	50.	0.1	0.00
2494.	6.5	100.	29.	0.2	0.00
2495.	0.1	100.	44.	0.1	0.00
2496.	14.4	100.	0.	6.8	0.00
2497.	15.0	100.	0.	8.1	0.00
2498.	0.1	100.	0.	0.1	0.00
2499.	0.1	100.	0.	0.1	0.00
2500.	0.1	100.	0.	0.1	0.00
2501.	0.1	100.	0.	0.1	0.00
2502.	0.1	100.	0.	0.1	0.00
2503.	0.1	100.	0.	0.1	0.00
2504.	0.1	100.	0.	0.1	0.00
2505.	0.1	100.	0.	0.1	0.00
2506.	0.1	100.	0.	0.1	0.00
2507.	0.1	100.	0.	0.1	0.00
2508.	0.1	100.	0.	0.1	0.00
2509.	0.1	100.	0.	0.1	0.00
4401.	20.7	57.	9.	33.2	0.09
4402.	20.4	70.	12.	31.8	0.15

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
4403.	21.3	65.	13.	37.9	0.22
4404.	17.4	65.	25.	15.7	0.29
4405.	6.9	100.	45.	0.3	0.00
4411.	0.1	100.	42.	0.1	0.00
4412.	0.1	100.	36.	0.1	0.00
4413.	0.1	100.	45.	0.1	0.00
4541.	3.0	100.	45.	0.1	0.00
4542.	8.5	93.	31.	0.7	0.00
4543.	10.0	83.	23.	1.4	0.02
4544.	10.1	89.	20.	1.4	0.03
4545.	7.3	100.	27.	0.4	0.03
4546.	6.9	97.	30.	0.3	0.04
4547.	9.0	94.	25.	0.9	0.05
4548.	10.1	85.	23.	1.4	0.06
4549.	10.7	87.	23.	1.8	0.07
4550.	10.8	81.	24.	1.9	0.09
4551.	10.8	86.	24.	1.9	0.11
4552.	10.8	82.	24.	1.9	0.12
4553.	10.8	81.	25.	2.0	0.13
4554.	11.3	88.	19.	2.3	0.14
4555.	10.6	76.	20.	1.8	0.16
4556.	10.4	81.	21.	1.7	0.17
4557.	10.6	71.	21.	1.8	0.20
4558.	10.6	94.	21.	1.7	0.21
4559.	9.7	98.	25.	1.2	0.21
4560.	11.0	87.	21.	2.1	0.22
4561.	12.6	87.	15.	3.8	0.24
4562.	10.0	85.	22.	1.4	0.25
4563.	8.8	89.	30.	0.8	0.27
4564.	9.5	73.	30.	1.1	0.29
4565.	6.8	78.	39.	0.3	0.31
4566.	7.4	100.	31.	0.4	0.31
4567.	8.9	100.	22.	0.8	0.31
4568.	7.8	100.	28.	0.5	0.31
4594.	4.8	100.	43.	0.1	0.00
4595.	1.2	100.	42.	0.1	0.00
4609.	4.5	100.	43.	0.1	0.00
4610.	7.2	100.	36.	0.3	0.00
4611.	11.6	100.	25.	2.6	0.00
4612.	9.8	100.	33.	1.3	0.00
4617.	4.1	100.	49.	0.1	0.00
4619.	2.2	100.	48.	0.1	0.00
4620.	3.8	100.	44.	0.1	0.00
4621.	5.0	100.	44.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
4622.	5.4	100.	45.	0.1	0.00
4623.	10.1	74.	40.	1.4	0.01
4624.	11.7	63.	31.	2.7	0.06
4625.	10.7	79.	35.	1.8	0.08
4626.	10.1	79.	33.	1.4	0.11
4627.	8.0	64.	39.	0.5	0.13
4628.	6.4	95.	43.	0.2	0.00
4629.	6.7	64.	41.	0.2	0.00
4630.	5.2	100.	43.	0.1	0.00
4672.	12.1	93.	35.	3.2	0.00
4673.	12.0	68.	28.	3.0	0.03
4674.	6.9	11.	44.	0.3	0.00
4677.	5.6	100.	49.	0.1	0.00
4678.	12.1	95.	30.	3.1	0.00
4679.	11.5	79.	26.	2.6	0.03
4680.	14.8	74.	20.	7.7	0.06
4681.	16.5	91.	19.	12.3	0.07
4682.	17.5	95.	17.	15.9	0.09
4683.	18.5	98.	17.	20.4	0.09
4684.	18.2	92.	18.	19.1	0.11
4685.	17.9	100.	14.	17.7	0.11
4686.	18.5	100.	11.	20.5	0.11
4687.	17.0	92.	18.	14.2	0.12
4688.	16.1	98.	20.	11.1	0.12
4689.	16.9	100.	16.	13.7	0.12
4690.	15.4	92.	20.	9.1	0.13
4691.	13.2	95.	22.	4.7	0.14
4692.	13.2	100.	22.	4.7	0.14
4693.	13.9	100.	22.	5.8	0.14
4694.	13.5	98.	22.	5.1	0.15
4695.	13.0	100.	22.	4.3	0.15
4696.	12.1	100.	22.	3.1	0.15
4697.	11.5	98.	23.	2.5	0.15
4698.	4.3	100.	46.	0.1	0.00
4734.	0.1	100.	45.	0.1	0.00
4735.	0.1	100.	43.	0.1	0.00
4769.	0.1	100.	49.	0.1	0.00
4882.	1.6	100.	50.	0.1	0.00
4918.	10.0	100.	42.	1.4	0.00
4919.	9.5	83.	33.	1.1	0.01
4920.	7.7	84.	33.	0.4	0.03
4921.	4.1	100.	44.	0.1	0.00
4989.	7.9	100.	46.	0.5	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
4998.	9.6	75.	45.	1.2	0.00
4999.	11.2	60.	37.	2.2	0.02
5000.	13.9	47.	26.	5.8	0.09
5001.	14.4	48.	20.	6.9	0.17
5002.	9.2	58.	41.	1.0	0.00
5004.	11.8	72.	38.	2.9	0.02
5005.	11.5	59.	35.	2.5	0.06
5006.	11.0	53.	34.	2.1	0.11
5007.	9.8	50.	36.	1.3	0.16
5008.	9.5	42.	39.	1.1	0.22
5009.	8.3	35.	43.	0.6	0.00
5010.	10.2	48.	37.	1.5	0.06
5011.	10.1	51.	34.	1.4	0.10
5012.	10.9	54.	29.	2.0	0.16
5013.	12.6	70.	26.	3.8	0.20
5014.	14.0	75.	21.	6.1	0.24
5015.	15.4	59.	24.	9.2	0.29
5016.	14.5	54.	23.	7.1	0.36
5017.	13.9	71.	26.	3.0	0.40
5018.	10.3	55.	28.	1.5	0.44
5019.	9.1	66.	36.	0.9	0.48
5044.	10.2	108.	45.	1.5	0.00
5235.	4.7	100.	47.	0.1	0.00
5236.	4.8	100.	45.	0.1	0.00
5238.	6.2	100.	38.	0.2	0.00
5239.	5.6	100.	43.	0.1	0.00
5241.	4.9	100.	44.	0.1	0.00
5242.	7.4	100.	34.	0.4	0.00
5243.	9.9	100.	23.	1.3	0.00
5244.	12.7	100.	14.	4.0	0.00
5245.	12.4	100.	21.	3.5	0.00
5246.	13.0	100.	20.	4.4	0.00
5247.	8.6	100.	37.	0.7	0.00
5248.	12.3	100.	25.	3.4	0.00
5249.	11.0	100.	35.	2.1	0.00
5250.	12.1	100.	35.	3.2	0.00
5251.	10.9	79.	42.	2.0	0.00
5255.	6.8	79.	37.	0.3	0.01
5256.	10.3	95.	20.	1.5	0.02
5257.	8.8	63.	30.	0.8	0.04
5258.	11.4	74.	22.	2.4	0.07
5259.	10.0	67.	22.	1.4	0.11
5260.	5.5	100.	23.	0.1	0.12

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
5261.	5.1	88.	19.	0.1	0.12
5262.	5.5	100.	18.	0.1	0.12
5263.	1.9	100.	32.	0.1	0.12
5264.	0.1	100.	43.	0.1	0.00
5328.	0.1	100.	47.	0.1	0.00
5360.	1.6	100.	49.	0.1	0.00
5361.	3.3	100.	43.	0.1	0.00
5362.	5.8	100.	33.	0.1	0.00
5363.	5.7	100.	35.	0.1	0.00
5364.	5.3	100.	40.	0.1	0.00
5365.	5.6	100.	38.	0.1	0.00
5366.	4.3	100.	41.	0.1	0.00
5367.	3.4	100.	46.	0.1	0.00
5372.	0.1	100.	48.	0.1	0.00
5373.	1.5	100.	34.	0.1	0.00
5374.	1.8	100.	31.	0.1	0.00
5375.	0.7	100.	34.	0.1	0.00
5376.	0.1	100.	44.	0.1	0.00
5377.	0.1	100.	49.	0.1	0.00
5378.	2.3	100.	36.	0.1	0.00
5379.	2.1	100.	40.	0.1	0.00
5380.	2.4	100.	41.	0.1	0.00
5381.	0.1	100.	50.	0.1	0.00
5401.	1.5	100.	42.	0.1	0.00
5402.	2.3	100.	40.	0.1	0.00
5405.	2.5	100.	38.	0.1	0.00
5406.	5.0	100.	31.	0.1	0.00
5407.	1.7	100.	39.	0.1	0.00
5408.	0.1	100.	43.	0.1	0.00
5436.	5.1	100.	35.	0.1	0.00
5437.	8.6	90.	24.	0.7	0.00
5438.	5.3	36.	37.	0.1	0.03
5439.	4.4	100.	39.	0.1	0.04
5472.	1.1	100.	46.	0.1	0.00
5473.	6.0	65.	28.	0.1	0.02
5474.	7.5	60.	27.	0.4	0.05
5475.	7.8	54.	33.	0.5	0.08
5476.	6.5	83.	41.	0.2	0.00
5480.	8.3	100.	28.	0.6	0.00
5481.	4.8	78.	38.	0.1	0.01
5530.	5.0	100.	50.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
5531.	10.2	100.	34.	1.5	0.00
5532.	10.3	100.	27.	1.6	0.00
5533.	9.9	81.	27.	1.3	0.02
5534.	8.9	56.	32.	0.8	0.04
5535.	8.9	90.	28.	0.8	0.07
5536.	11.1	75.	21.	2.2	0.09
5537.	10.8	69.	21.	1.9	0.12
5538.	9.9	70.	23.	1.3	0.16
5539.	10.5	83.	21.	1.7	0.18
5540.	10.2	78.	25.	1.5	0.20
5541.	8.9	100.	32.	0.8	0.21
5542.	10.6	94.	27.	1.8	0.21
5543.	10.6	55.	28.	1.8	0.25
5544.	10.8	56.	30.	1.9	0.30
5545.	8.4	35.	39.	0.6	0.36
5546.	9.9	61.	31.	1.3	0.40
5547.	9.7	92.	33.	1.2	0.42
5548.	9.4	100.	33.	1.0	0.00
5549.	9.8	29.	39.	1.2	0.06
5588.	1.7	100.	50.	0.1	0.00
5620.	3.8	100.	29.	0.1	0.00
5621.	0.8	100.	37.	0.1	0.00
5651.	0.1	100.	50.	0.1	0.00
5652.	5.6	100.	48.	0.1	0.00
5746.	1.9	100.	48.	0.1	0.00
5747.	1.4	100.	48.	0.1	0.00
5748.	5.1	100.	37.	0.1	0.00
5749.	8.1	94.	26.	0.5	0.00
5750.	10.3	77.	32.	1.5	0.03
5791.	3.9	100.	41.	0.1	0.00
5792.	8.5	73.	27.	0.7	0.02
5793.	13.0	73.	22.	4.3	0.05
5794.	18.2	70.	32.	19.3	0.09
5806.	3.7	100.	46.	0.1	0.00
5807.	7.9	85.	45.	0.5	0.00
5815.	5.5	100.	48.	0.1	0.00
5816.	7.5	100.	47.	0.4	0.00
5822.	8.7	100.	35.	0.7	0.00
5829.	5.6	100.	46.	0.1	0.00
5830.	13.2	66.	39.	4.7	0.04

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
5849.	5.5	100.	48.	0.1	0.00
5850.	11.2	64.	31.	2.3	0.04
5851.	10.8	71.	34.	1.9	0.07
5867.	10.4	81.	37.	1.6	0.01
5870.	5.5	100.	47.	0.1	0.00
5871.	6.3	100.	50.	0.2	0.00
5874.	2.1	100.	45.	0.1	0.00
5875.	5.3	87.	35.	0.1	0.00
5876.	5.5	60.	33.	0.1	0.02
5877.	5.6	65.	32.	0.1	0.04
5878.	5.6	92.	30.	0.1	0.05
5879.	3.7	100.	30.	0.1	0.06
5880.	0.1	100.	39.	0.1	0.06
5882.	1.5	100.	50.	0.1	0.00
5883.	11.5	42.	25.	2.5	0.07
5884.	10.1	68.	17.	6.2	0.11
5885.	10.2	75.	15.	6.4	0.15
5886.	13.1	77.	16.	4.5	0.18
5887.	9.4	58.	27.	1.0	0.22
5888.	10.8	83.	36.	1.4	0.28
5889.	10.3	92.	47.	1.6	0.00
5923.	4.7	100.	48.	0.1	0.00
5948.	2.8	100.	37.	0.1	0.00
5949.	7.9	100.	25.	0.5	0.00
5998.	5.4	85.	48.	0.1	0.00
6008.	3.0	100.	49.	0.1	0.00
6009.	5.4	100.	46.	0.1	0.00
6033.	10.1	86.	28.	1.4	0.02
6034.	11.4	100.	24.	2.4	0.02
6035.	10.6	100.	26.	1.8	0.02
6036.	9.4	100.	30.	1.0	0.02
6037.	9.0	100.	30.	0.8	0.02
6038.	9.7	100.	24.	1.2	0.02
6039.	8.8	100.	22.	0.8	0.02
6040.	9.7	100.	25.	1.2	0.02
6062.	7.2	100.	40.	0.3	0.00
6063.	8.0	82.	33.	0.5	0.01
6064.	6.9	100.	40.	0.3	0.01
6074.	7.0	100.	40.	0.3	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
6075.	9.5	100.	29.	1.1	0.00
6076.	9.6	71.	26.	1.1	0.02
6077.	8.2	69.	30.	0.6	0.05
6078.	6.0	66.	33.	0.1	0.07
6079.	4.2	86.	38.	0.1	0.08
6086.	1.2	100.	45.	0.1	0.00
6089.	5.2	20.	47.	0.1	0.00
6090.	9.8	90.	27.	1.2	0.02
6091.	9.8	100.	22.	1.3	0.02
6092.	10.1	87.	20.	1.5	0.03
6093.	10.3	86.	18.	1.6	0.05
6094.	9.9	82.	17.	1.3	0.06
6095.	10.0	62.	16.	1.4	0.10
6096.	11.3	73.	12.	2.4	0.13
6097.	11.3	94.	11.	2.4	0.14
6098.	9.4	92.	16.	1.0	0.15
6099.	0.1	100.	49.	0.1	0.00
6113.	2.7	100.	49.	0.1	0.00
6114.	6.6	100.	33.	0.2	0.00
6115.	5.3	62.	31.	0.1	0.01
6135.	2.6	100.	37.	0.1	0.00
6136.	0.1	100.	35.	0.1	0.00
6150.	9.6	51.	22.	1.2	0.05
6151.	2.4	100.	23.	0.1	0.05
6152.	0.1	100.	38.	0.1	0.05
6225.	0.1	100.	49.	0.1	0.00
6226.	2.4	100.	42.	0.1	0.00
6227.	3.2	100.	37.	0.1	0.00
6228.	2.0	100.	42.	0.1	0.00
6270.	1.7	100.	44.	0.1	0.00
6271.	3.8	100.	26.	0.1	0.00
6353.	2.0	100.	42.	0.1	0.00
6381.	0.2	100.	47.	0.1	0.00
6382.	1.4	100.	42.	0.1	0.00
6473.	0.1	100.	47.	0.1	0.00
6474.	0.1	100.	24.	0.1	0.00
6475.	0.1	100.	30.	0.1	0.00
6476.	0.1	100.	49.	0.1	0.00
6486.	0.1	100.	47.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
6511.	0.1	100.	48.	0.1	0.00
6526.	0.1	100.	48.	0.1	0.00
6527.	0.7	100.	36.	0.1	0.00
6530.	0.7	100.	34.	0.1	0.00
6531.	0.1	100.	40.	0.1	0.00
6553.	14.6	39.	36.	7.1	0.04
6554.	12.9	47.	21.	4.2	0.13
6555.	11.7	59.	17.	2.7	0.18
6556.	11.0	68.	23.	2.1	0.22
6557.	13.6	56.	22.	5.3	0.27
6558.	12.6	60.	21.	3.8	0.33
6559.	10.4	77.	22.	1.6	0.36
6560.	10.2	68.	25.	1.5	0.39
6567.	1.2	100.	50.	0.1	0.00
6568.	0.1	100.	42.	0.1	0.00
6569.	0.1	100.	37.	0.1	0.00
6570.	0.1	100.	50.	0.1	0.00
6586.	3.8	90.	44.	0.1	0.00
6587.	7.8	80.	30.	0.4	0.01
6588.	6.3	73.	36.	0.2	0.03
6589.	9.9	97.	35.	1.3	0.03
6590.	7.9	72.	34.	0.5	0.05
6602.	0.1	100.	49.	0.1	0.00
6606.	2.7	100.	46.	0.1	0.00
6607.	4.0	100.	40.	0.1	0.00
6608.	4.1	100.	33.	0.1	0.00
6609.	1.0	100.	35.	0.1	0.00
6610.	0.1	100.	45.	0.1	0.00
6617.	3.6	100.	41.	0.1	0.00
6627.	6.9	100.	37.	0.3	0.00
6628.	9.9	100.	25.	1.3	0.00
6629.	6.6	100.	35.	0.2	0.00
6630.	5.7	100.	34.	0.1	0.00
6631.	4.9	100.	32.	0.1	0.00
6632.	3.6	100.	29.	0.1	0.00
6633.	4.4	100.	24.	0.1	0.00
6634.	6.1	100.	16.	0.2	0.00
6635.	8.8	59.	23.	0.8	0.02
6636.	7.0	13.	35.	0.3	0.08
6637.	6.6	29.	35.	0.2	0.02

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
6638.	9.4	72.	24.	1.0	0.05
6639.	12.4	64.	16.	3.6	0.09
6640.	13.4	67.	14.	5.0	0.14
6641.	13.2	87.	13.	4.6	0.17
6642.	11.2	83.	18.	2.3	0.19
6643.	13.6	88.	11.	5.2	0.21
6644.	12.6	95.	14.	3.8	0.21
6645.	11.5	99.	16.	2.5	0.22
6646.	13.0	90.	10.	4.4	0.22
6647.	13.6	97.	9.	5.3	0.23
6648.	13.9	100.	10.	5.8	0.23
6649.	12.0	93.	13.	3.1	0.24
6650.	9.2	83.	21.	1.0	0.25
6655.	1.5	100.	42.	0.1	0.00
6656.	0.1	100.	49.	0.1	0.00
6659.	2.6	100.	43.	0.1	0.00
6668.	1.7	100.	45.	0.1	0.00
6669.	2.0	100.	45.	0.1	0.00
6670.	3.6	100.	34.	0.1	0.00
6671.	6.3	100.	36.	0.1	0.00
6672.	4.8	100.	38.	0.1	0.00
6673.	5.7	100.	37.	0.1	0.00
6674.	1.0	100.	47.	0.1	0.00
6675.	3.5	100.	37.	0.1	0.00
6676.	6.7	100.	21.	0.2	0.00
6677.	8.4	60.	16.	0.6	0.02
6678.	8.4	48.	15.	0.6	0.07
6679.	7.8	89.	15.	0.5	0.09
6680.	7.4	97.	16.	0.4	0.09
6681.	6.7	87.	21.	0.2	0.10
6682.	3.2	70.	40.	0.1	0.00
6695.	4.3	100.	35.	0.1	0.00
6696.	0.2	100.	46.	0.1	0.00
6697.	1.4	100.	45.	0.1	0.00
6701.	1.2	100.	48.	0.1	0.00
6702.	2.9	100.	38.	0.1	0.00
6703.	3.0	100.	36.	0.1	0.00
6704.	4.0	100.	35.	0.1	0.00
6705.	3.5	100.	42.	0.1	0.00
6712.	2.1	99.	43.	0.1	0.00
6713.	3.2	100.	21.	0.1	0.00
6714.	4.3	100.	16.	0.1	0.00
6715.	6.3	100.	29.	0.2	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
6719.	0.1	100.	49.	0.1	0.00
6737.	3.1	100.	45.	0.1	0.00
6738.	5.9	100.	36.	0.1	0.00
6739.	4.7	100.	40.	0.1	0.00
6753.	0.4	100.	32.	0.1	0.00
6766.	0.1	100.	48.	0.1	0.00
6767.	1.8	100.	43.	0.1	0.00
6768.	0.1	100.	49.	0.1	0.00
6769.	0.7	100.	26.	0.1	0.00
6770.	0.1	100.	38.	0.1	0.00
6773.	6.2	100.	23.	0.2	0.03
6774.	1.0	100.	28.	0.1	0.03
6775.	0.1	100.	43.	0.1	0.00
6807.	2.4	100.	42.	0.1	0.00
6808.	0.1	100.	49.	0.1	0.00
6821.	10.4	84.	40.	1.6	0.01
6822.	6.6	93.	30.	0.2	0.01
6823.	4.1	100.	18.	0.1	0.01
6824.	1.2	100.	25.	0.1	0.01
6827.	2.3	100.	48.	0.1	0.00
6839.	0.1	100.	49.	0.1	0.00
6840.	0.1	100.	49.	0.1	0.00
6841.	3.7	100.	49.	0.1	0.00
6842.	2.8	100.	49.	0.1	0.00
6859.	5.7	100.	49.	0.1	0.00
6862.	0.1	100.	42.	0.1	0.00
6863.	0.1	100.	32.	0.1	0.00
6864.	11.0	100.	30.	2.1	0.00
6865.	11.0	100.	34.	2.0	0.00
6869.	3.7	100.	40.	0.1	0.00
6870.	0.1	100.	48.	0.1	0.00
6871.	0.1	100.	46.	0.1	0.00
6872.	4.1	100.	36.	0.1	0.00
6873.	8.1	100.	39.	0.5	0.00
6877.	0.3	100.	46.	0.1	0.00
6878.	4.2	100.	45.	0.1	0.00
6902.	3.3	100.	47.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
6924.	0.1	100.	39.	0.1	0.00
6925.	0.1	100.	29.	0.1	0.00
6926.	11.3	100.	26.	2.4	0.00
6942.	0.1	100.	50.	0.1	0.00
6943.	6.7	100.	34.	0.2	0.00
6944.	1.1	100.	48.	0.1	0.00
6945.	3.7	100.	42.	0.1	0.00
6946.	3.0	100.	46.	0.1	0.00
6958.	0.1	100.	45.	0.1	0.00
6974.	0.1	100.	37.	0.1	0.00
6995.	1.0	100.	41.	0.1	0.00
6996.	0.1	100.	47.	0.1	0.00
6997.	0.1	100.	42.	0.1	0.00
7000.	0.1	100.	45.	0.1	0.00
7006.	0.1	100.	44.	0.1	0.00
7007.	0.1	100.	48.	0.1	0.00
7008.	0.1	100.	50.	0.1	0.00
7009.	0.1	100.	48.	0.1	0.00
7058.	3.2	100.	38.	0.1	0.00
7059.	0.1	100.	33.	0.1	0.00
7060.	0.1	100.	38.	0.1	0.00
7078.	0.1	100.	42.	0.1	0.00
7079.	0.1	100.	31.	0.1	0.00
7080.	0.1	100.	34.	0.1	0.00
7081.	0.1	100.	39.	0.1	0.00
7136.	5.3	100.	31.	0.1	0.00
7137.	4.5	100.	19.	0.1	0.00
7138.	0.1	100.	35.	0.1	0.00
7150.	5.3	100.	38.	0.1	0.00
7151.	1.0	100.	38.	0.1	0.00
7152.	1.2	100.	29.	0.1	0.00
7153.	0.1	100.	39.	0.1	0.00
7154.	0.1	100.	45.	0.1	0.00
7162.	0.1	100.	43.	0.1	0.00
7175.	2.9	100.	44.	0.1	0.00
7176.	1.5	100.	43.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---OCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7184.	1.1	100.	47.	0.1	0.00
7186.	0.1	100.	47.	0.1	0.00
7194.	5.7	100.	44.	0.1	0.00
7195.	5.8	100.	38.	0.1	0.00
7196.	4.9	100.	31.	0.1	0.00
7197.	2.9	100.	27.	0.1	0.00
7198.	0.1	100.	37.	0.1	0.00
7208.	3.3	100.	44.	0.1	0.00
7209.	4.0	100.	36.	0.1	0.00
7210.	0.8	100.	43.	0.1	0.00
7211.	0.1	100.	45.	0.1	0.00
7212.	2.7	100.	29.	0.1	0.00
7213.	2.5	100.	22.	0.1	0.00
7214.	1.8	100.	24.	0.1	0.00
7215.	2.0	100.	25.	0.1	0.00
7216.	0.8	100.	34.	0.1	0.00
7217.	2.4	100.	26.	0.1	0.00
7218.	1.7	100.	26.	0.1	0.00
7219.	0.3	100.	31.	0.1	0.00
7220.	3.2	69.	26.	0.1	0.00
7221.	7.3	61.	14.	0.3	0.02
7222.	5.9	71.	18.	0.1	0.04
7223.	4.9	56.	19.	0.1	0.06
7224.	3.5	81.	22.	0.1	0.07
7225.	3.7	100.	25.	0.1	0.08
7226.	2.5	100.	32.	0.1	0.08
7227.	1.1	100.	37.	0.1	0.08
7228.	1.9	100.	39.	0.1	0.08
7229.	1.8	100.	43.	0.1	0.00
7230.	0.1	100.	48.	0.1	0.00
7232.	2.0	100.	44.	0.1	0.00
7233.	0.1	100.	45.	0.1	0.00
7234.	0.1	100.	45.	0.1	0.00
7235.	0.3	100.	42.	0.1	0.00
7236.	0.4	100.	42.	0.1	0.00
7245.	0.8	100.	31.	0.1	0.00
7246.	0.1	100.	46.	0.1	0.00
7259.	0.1	100.	45.	0.1	0.00
7264.	0.1	100.	48.	0.1	0.00
7267.	26.0	88.	47.	92.0	0.00
7268.	32.5	70.	38.	245.5	0.05
7269.	30.1	83.	36.	174.6	0.11

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7277.	17.9	90.	42.	17.5	0.00
7282.	13.0	100.	44.	4.4	0.00
7283.	11.1	100.	41.	2.2	0.00
7284.	10.9	100.	36.	2.0	0.00
7285.	7.0	100.	45.	0.3	0.00
7287.	6.5	100.	49.	0.2	0.00
7300.	6.4	75.	48.	0.2	0.00
7301.	4.6	100.	30.	0.1	0.02
7302.	3.4	100.	26.	0.1	0.02
7303.	0.8	100.	37.	0.1	0.02
7304.	2.2	100.	33.	0.1	0.02
7305.	3.3	100.	29.	0.1	0.02
7306.	2.2	100.	34.	0.1	0.02
7307.	4.6	73.	28.	0.1	0.03
7308.	6.5	48.	25.	0.2	0.06
7309.	8.4	41.	19.	1.1	0.11
7310.	9.4	64.	16.	1.0	0.15
7311.	8.0	58.	18.	0.5	0.19
7312.	7.0	63.	19.	0.3	0.21
7313.	6.7	50.	22.	0.1	0.24
7314.	6.0	35.	19.	0.1	0.27
7315.	6.0	64.	20.	0.1	0.30
7316.	2.7	81.	31.	0.1	0.31
7317.	0.1	100.	43.	0.1	0.00
7318.	0.1	100.	46.	0.1	0.00
7319.	0.1	100.	47.	0.1	0.00
7325.	1.6	100.	45.	0.1	0.00
7345.	1.7	100.	29.	0.1	0.00
7346.	0.1	100.	29.	0.1	0.00
7347.	0.7	100.	37.	0.1	0.00
7349.	11.6	100.	45.	2.6	0.00
7350.	11.5	100.	49.	2.5	0.00
7351.	13.2	100.	44.	4.7	0.00
7356.	9.5	89.	46.	1.1	0.00
7357.	10.8	69.	41.	1.9	0.00
7358.	12.5	100.	34.	3.6	0.01
7359.	10.3	100.	31.	1.5	0.01
7360.	8.8	100.	34.	0.8	0.01
7361.	5.7	100.	42.	0.1	0.00
7362.	5.9	100.	35.	0.1	0.00
7363.	4.4	100.	36.	0.1	0.00
7364.	0.1	100.	47.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7376.	5.8	100.	48.	0.1	0.00
7377.	11.8	88.	20.	2.9	0.01
7378.	5.7	100.	33.	0.1	0.01
7379.	3.4	100.	39.	0.1	0.01
7380.	0.1	100.	47.	0.1	0.00
7401.	0.1	100.	39.	0.1	0.00
7402.	0.2	100.	33.	0.1	0.00
7403.	0.2	100.	29.	0.1	0.00
7404.	0.8	100.	25.	0.1	0.00
7405.	0.1	100.	31.	0.1	0.00
7414.	3.9	100.	40.	0.1	0.00
7419.	2.7	100.	50.	0.1	0.00
7422.	4.3	100.	43.	0.1	0.00
7423.	5.0	100.	40.	0.1	0.00
7424.	2.9	100.	43.	0.1	0.00
7434.	4.9	100.	45.	0.1	0.00
7435.	5.9	100.	39.	0.1	0.00
7453.	0.1	100.	42.	0.1	0.00
7475.	7.8	100.	49.	0.8	0.00
7476.	7.1	100.	31.	0.3	0.00
7477.	2.0	100.	35.	0.1	0.00
7478.	0.1	100.	45.	0.1	0.00
7483.	4.9	100.	44.	0.1	0.00
7484.	2.5	100.	38.	0.1	0.00
7485.	3.1	100.	37.	0.1	0.00
7486.	0.9	100.	41.	0.1	0.00
7487.	0.7	100.	38.	0.1	0.00
7488.	0.1	100.	46.	0.1	0.00
7494.	8.2	100.	45.	0.6	0.00
7495.	8.4	100.	29.	0.6	0.00
7496.	0.1	100.	40.	0.1	0.00
7497.	0.1	100.	46.	0.1	0.00
7498.	0.1	100.	42.	0.1	0.00
7499.	0.1	100.	43.	0.1	0.00
7500.	0.1	100.	45.	0.1	0.00
7501.	0.1	100.	43.	0.1	0.00
7502.	0.1	100.	45.	0.1	0.00
7503.	0.1	100.	40.	0.1	0.00
7504.	0.1	100.	48.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7506.	0.7	100.	41.	0.1	0.00
7507.	0.1	100.	44.	0.1	0.00
7509.	2.4	100.	30.	0.1	0.00
7510.	0.1	100.	27.	0.1	0.00
7511.	0.1	100.	40.	0.1	0.00
7512.	0.7	100.	37.	0.1	0.00
7513.	4.2	82.	23.	0.1	0.00
7514.	2.9	75.	26.	0.1	0.01
7515.	3.1	72.	25.	0.1	0.02
7516.	5.2	42.	19.	0.1	0.04
7517.	5.9	27.	16.	0.1	0.08
7518.	3.6	61.	21.	0.1	0.12
7519.	2.0	100.	25.	0.1	0.12
7520.	0.1	100.	49.	0.1	0.00
7533.	3.9	100.	45.	0.1	0.00
7534.	3.2	100.	38.	0.1	0.00
7543.	0.1	100.	49.	0.1	0.00
7545.	0.1	100.	46.	0.1	0.00
7546.	0.1	100.	40.	0.1	0.00
7547.	0.1	100.	38.	0.1	0.00
7548.	0.1	100.	41.	0.1	0.00
7562.	0.1	100.	42.	0.1	0.00
7567.	0.1	100.	48.	0.1	0.00
7619.	1.3	100.	47.	0.1	0.00
7631.	0.1	100.	50.	0.1	0.00
7636.	1.0	100.	38.	0.1	0.00
7637.	2.0	100.	32.	0.1	0.00
7638.	3.5	100.	39.	0.1	0.00
7639.	0.3	100.	48.	0.1	0.00
7640.	0.1	100.	50.	0.1	0.00
7658.	0.1	100.	46.	0.1	0.00
7659.	0.1	100.	38.	0.1	0.00
7690.	6.5	49.	33.	0.2	0.02
7691.	5.2	19.	34.	0.1	0.06
7692.	4.2	59.	36.	0.1	0.08
7693.	4.3	58.	33.	0.1	0.09
7694.	8.1	23.	23.	0.5	0.15
7695.	9.5	14.	20.	1.1	0.23
7696.	9.3	0.	21.	1.0	0.32

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7697.	9.7	0.	20.	1.2	0.41
7698.	10.7	6.	18.	1.8	0.51
7699.	11.5	14.	15.	2.5	0.61
7700.	10.3	22.	16.	1.6	0.70
7701.	10.6	37.	14.	1.7	0.77
7702.	10.7	38.	12.	1.9	0.84
7703.	9.8	35.	13.	1.3	0.90
7704.	9.9	48.	11.	1.3	0.95
7705.	9.9	50.	13.	1.3	1.00
7706.	10.4	60.	15.	1.6	1.04
7707.	10.2	41.	16.	1.5	1.10
7708.	9.8	21.	18.	1.3	1.17
7709.	7.7	39.	24.	0.4	1.23
7710.	9.1	43.	20.	0.9	1.28
7711.	7.4	37.	23.	0.4	1.33
7714.	8.0	30.	33.	0.5	0.03
7715.	9.7	33.	21.	1.2	0.09
7716.	9.8	25.	18.	1.2	0.16
7717.	7.7	30.	24.	0.4	0.22
7718.	8.1	38.	21.	0.6	0.27
7719.	8.9	45.	18.	0.8	0.32
7720.	9.2	50.	16.	1.0	0.38
7721.	9.4	58.	15.	1.1	0.46
7722.	9.5	40.	14.	1.1	0.52
7723.	10.1	46.	11.	1.4	0.57
7724.	11.0	64.	8.	2.1	0.62
7725.	10.4	52.	10.	1.6	0.66
7726.	10.5	35.	9.	1.7	0.73
7727.	10.5	43.	12.	1.7	0.78
7728.	10.2	51.	17.	1.5	0.84
7729.	6.7	79.	30.	0.2	0.86
7730.	4.6	87.	34.	0.1	0.87
7731.	3.3	100.	38.	0.1	0.87
7747.	15.4	97.	47.	9.0	0.00
7757.	27.1	100.	44.	110.6	0.00
7758.	27.4	100.	47.	114.7	0.00
7762.	34.0	90.	40.	298.5	0.00
7774.	0.1	100.	41.	0.1	0.00
7775.	1.2	100.	25.	0.1	0.00
7776.	1.6	100.	21.	0.1	0.00
7777.	0.1	100.	40.	0.1	0.00
7778.	0.1	100.	36.	0.1	0.00
7779.	2.7	80.	27.	0.1	0.00
7780.	4.3	58.	24.	0.1	0.02
7781.	0.1	100.	47.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7786.	7.7	0.	46.	0.4	0.00
7787.	8.3	4.	31.	0.6	0.08
7788.	5.2	0.	33.	0.1	0.14
7789.	7.0	16.	25.	0.3	0.20
7790.	8.0	1.	20.	0.5	0.27
7791.	7.4	27.	20.	0.4	0.34
7792.	6.5	16.	21.	0.2	0.39
7793.	5.7	0.	24.	0.1	0.45
7794.	6.6	33.	20.	0.2	0.50
7795.	6.6	18.	19.	0.2	0.55
7796.	6.4	37.	20.	0.2	0.59
7797.	6.1	62.	20.	0.2	0.62
7798.	2.3	93.	34.	0.1	0.63
7799.	2.2	97.	33.	0.1	0.63
7800.	0.1	100.	44.	0.1	0.00
7803.	8.6	24.	40.	0.7	0.03
7804.	8.3	0.	42.	0.6	0.00
7805.	9.0	1.	42.	0.9	0.00
7806.	12.5	27.	26.	3.7	0.09
7807.	11.9	38.	21.	3.0	0.17
7808.	9.9	38.	22.	1.3	0.24
7809.	6.8	30.	24.	0.5	0.30
7810.	11.8	16.	24.	2.4	0.38
7811.	13.4	39.	23.	4.9	0.46
7812.	9.6	68.	38.	1.1	0.51
7821.	12.4	0.	40.	3.6	0.06
7822.	14.5	14.	20.	7.0	0.19
7823.	14.5	26.	19.	6.9	0.30
7824.	13.2	24.	20.	4.6	0.41
7825.	14.5	15.	19.	7.0	0.52
7826.	14.9	35.	16.	7.8	0.63
7827.	14.1	51.	18.	6.3	0.71
7828.	12.6	50.	22.	3.8	0.78
7829.	9.2	100.	40.	0.9	0.78
7847.	3.6	100.	41.	0.1	0.00
7848.	2.9	100.	43.	0.1	0.00
7874.	2.8	100.	36.	0.1	0.00
7875.	3.8	100.	30.	0.1	0.00
7876.	4.1	76.	36.	0.1	0.01
7917.	0.1	100.	50.	0.1	0.00
7918.	0.1	100.	45.	0.1	0.00
7919.	2.7	80.	32.	0.1	0.00
7920.	1.1	100.	28.	0.1	0.00
7921.	0.1	100.	29.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
7922.	5.0	56.	31.	0.1	0.01
7923.	5.7	0.	33.	0.1	0.07
7924.	6.5	0.	29.	0.2	0.14
7925.	8.8	11.	18.	0.8	0.22
7926.	7.7	22.	19.	0.4	0.28
7927.	7.6	6.	19.	0.4	0.35
7928.	7.6	0.	19.	0.4	0.42
7929.	8.8	19.	17.	0.8	0.50
7930.	2.1	100.	42.	0.1	0.00
7955.	9.0	29.	31.	0.9	0.06
7956.	8.6	1.	28.	0.7	0.13
7957.	8.3	0.	27.	0.6	0.22
7958.	5.4	24.	36.	0.1	0.27
7990.	10.6	22.	30.	1.8	0.04
7991.	10.8	3.	23.	1.9	0.14
7992.	7.6	0.	23.	0.4	0.22
7993.	7.5	35.	15.	0.4	0.28
7994.	5.2	0.	25.	0.1	0.33
7995.	7.1	8.	23.	0.3	0.39
7996.	7.4	0.	22.	0.4	0.47
7997.	6.4	0.	24.	0.2	0.53
7998.	5.7	0.	24.	0.1	0.59
7999.	5.2	0.	23.	0.1	0.64
8000.	7.1	3.	21.	0.3	0.71
8001.	10.0	40.	13.	1.3	0.77
8002.	11.0	27.	12.	2.1	0.84
8003.	10.8	24.	14.	1.9	0.92
8004.	10.2	21.	16.	1.5	1.00
8005.	9.6	23.	17.	1.2	1.08
8006.	9.9	5.	18.	1.3	1.17
8007.	7.0	2.	28.	0.3	1.25
8120.	0.4	100.	46.	0.1	0.00
8121.	3.1	72.	41.	0.1	0.00
8125.	0.1	100.	50.	0.1	0.00
8126.	2.4	89.	42.	0.1	0.00
8127.	3.1	72.	41.	0.1	0.00
8128.	2.9	74.	41.	0.1	0.00
8129.	1.3	100.	43.	0.1	0.00
8130.	0.1	100.	48.	0.1	0.00
8132.	0.1	100.	48.	0.1	0.00
8133.	0.1	100.	49.	0.1	0.00
8135.	0.1	100.	48.	0.1	0.00
8139.	4.6	57.	45.	0.1	0.00

MAPCO, INC.----RIVER BEND UNIT #11-15F---DCC#358---NEWCHS
RIVER BEND----UINTAH,UTAH----15-10S-20E

DEPTH	POROSITY %	WATER SATURATION FROM NLL %	CLAY %	PERM. INDEX MD	HYDROCARBON FEET
8140.	4.0	60.	49.	0.1	0.00

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4000.0	0.1	100.	0.1	1.0	38.8	0.00	0.00
4001.0	0.1	100.	0.3	1.0	39.8	0.00	0.00
4002.0	0.1	100.	0.1	1.0	36.1	0.00	0.00
4003.0	0.1	100.	0.0	1.0	26.5	0.00	0.00
4004.0	0.1	100.	0.0	1.0	14.1	0.00	0.00
4005.0	0.1	100.	0.0	1.0	0.9	0.00	0.00
4006.0	0.1	100.	0.0	1.0	0.8	0.00	0.00
4007.0	0.1	100.	0.0	1.0	20.0	0.00	0.00
4008.0	0.1	100.	0.0	1.0	20.4	0.00	0.00
4009.0	0.1	100.	0.0	1.0	32.0	0.00	0.00
4015.0	0.1	100.	3.6	1.0	12.8	0.02	0.00
4016.0	9.5	100.	15.5	1.0	4.5	0.14	0.00
4017.0	6.3	100.	14.1	1.0	2.5	0.29	0.00
4018.0	4.9	100.	13.4	1.0	3.3	0.42	0.00
4019.0	1.7	100.	10.4	1.0	11.8	0.54	0.00
4020.0	2.4	100.	11.3	1.0	15.3	0.65	0.00
4021.0	0.4	100.	7.7	1.0	30.9	0.74	0.00
4037.0	0.1	100.	0.0	1.0	42.6	0.75	0.00
4038.0	0.1	100.	1.6	1.0	19.8	0.76	0.00
4039.0	0.1	100.	5.4	1.0	18.0	0.81	0.00
4040.0	0.1	100.	5.7	1.0	27.3	0.87	0.00
4041.0	0.1	100.	2.3	1.0	47.7	0.90	0.00
4045.0	0.1	100.	0.0	1.0	49.9	0.91	0.00
4046.0	0.1	100.	0.0	1.0	47.2	0.91	0.00
4049.0	0.1	100.	0.3	1.0	48.3	0.91	0.00
4050.0	0.1	100.	0.1	1.0	27.3	0.92	0.00
4051.0	0.1	100.	0.0	1.0	11.2	0.92	0.00
4052.0	0.1	100.	0.0	1.0	1.0	0.92	0.00
4053.0	0.1	100.	0.0	1.0	0.9	0.92	0.00
4054.0	0.1	100.	0.0	1.0	19.4	0.92	0.00
4060.0	0.1	100.	0.0	1.0	47.0	0.92	0.00
4061.0	0.1	100.	0.0	1.0	36.2	0.92	0.00
4062.0	0.1	100.	0.0	1.0	34.3	0.92	0.00
4063.0	0.1	100.	0.1	1.0	48.7	0.92	0.00
4064.0	0.1	100.	0.2	1.0	32.9	0.92	0.00
4065.0	0.1	100.	0.2	1.0	31.4	0.92	0.00
4066.0	0.1	100.	0.3	1.0	34.2	0.93	0.00
4067.0	0.1	100.	1.8	1.0	19.2	0.94	0.00
4068.0	0.1	100.	3.6	1.0	10.5	0.97	0.00
4069.0	0.1	100.	2.4	1.0	16.7	1.00	0.00
4070.0	0.1	100.	2.2	1.0	20.1	1.02	0.00
4071.0	0.1	100.	3.7	1.0	17.7	1.06	0.00
4072.0	0.1	100.	1.8	1.0	42.7	1.08	0.00
4075.0	0.1	100.	0.9	1.0	20.6	1.10	0.00

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4076.0	0.1	100.	0.1	1.0	26.1	1.11	0.00
4077.0	0.1	100.	0.0	1.0	11.7	1.11	0.00
4078.0	0.1	100.	0.0	1.0	0.6	1.11	0.00
4079.0	0.1	100.	0.0	1.0	29.3	1.11	0.00
4085.0	0.1	100.	0.0	1.0	46.3	1.11	0.00
4086.0	0.1	100.	0.0	1.0	33.3	1.11	0.00
4087.0	0.1	100.	0.0	1.0	25.2	1.11	0.00
4088.0	0.1	100.	0.0	1.0	36.1	1.11	0.00
4095.0	0.1	100.	1.3	1.0	47.9	1.11	0.00
4096.0	0.1	100.	5.9	1.0	10.2	1.16	0.00
4097.0	0.1	100.	4.2	1.0	14.8	1.21	0.00
4098.0	0.1	100.	5.2	1.0	14.5	1.25	0.00
4099.0	0.2	100.	6.1	1.0	12.9	1.31	0.00
4100.0	0.1	100.	2.2	1.0	19.6	1.35	0.00
4101.0	0.1	100.	1.4	1.0	23.0	1.36	0.00
4102.0	0.1	100.	0.7	1.0	27.6	1.37	0.00
4109.0	0.1	100.	0.0	1.0	44.0	1.37	0.00
4110.0	0.1	100.	0.0	1.0	26.1	1.37	0.00
4111.0	0.1	100.	0.0	1.0	13.2	1.37	0.00
4112.0	0.1	100.	0.0	1.0	2.8	1.37	0.00
4113.0	0.1	100.	0.0	1.0	2.3	1.37	0.00
4114.0	0.1	100.	0.0	1.0	3.0	1.37	0.00
4115.0	0.1	100.	0.0	1.0	4.3	1.37	0.00
4116.0	0.1	100.	0.0	1.0	44.1	1.37	0.00
4118.0	0.1	100.	0.0	1.0	48.0	1.37	0.00
4119.0	0.1	100.	0.0	1.0	31.2	1.37	0.00
4122.0	0.1	100.	0.0	1.0	42.1	1.37	0.00
4123.0	0.1	100.	0.2	1.0	43.0	1.38	0.00
4124.0	0.1	100.	0.5	1.0	35.4	1.38	0.00
4125.0	0.1	100.	1.0	1.0	14.4	1.39	0.00
4126.0	0.1	100.	1.0	1.0	2.4	1.40	0.00
4127.0	0.1	100.	0.1	1.0	2.2	1.40	0.00
4128.0	0.1	100.	0.1	1.0	0.1	1.40	0.00
4129.0	0.1	100.	0.2	1.0	12.6	1.40	0.00
4130.0	0.1	100.	0.0	1.0	44.2	1.41	0.00
4133.0	0.1	100.	0.5	1.0	46.0	1.41	0.00
4134.0	0.1	100.	0.8	1.0	46.1	1.42	0.00
4135.0	0.1	100.	1.0	1.0	43.6	1.43	0.00
4136.0	0.1	100.	0.3	1.0	41.3	1.44	0.00
4137.0	0.1	100.	0.0	1.0	43.1	1.44	0.00
4139.0	0.1	100.	0.0	1.0	48.4	1.44	0.00
4141.0	0.1	100.	0.0	1.0	39.8	1.44	0.00

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4146.0	0.1	100.	1.9	1.0	30.3	1.45	0.00
4149.0	0.1	100.	4.4	1.0	13.4	1.49	0.00
4150.0	0.1	100.	2.9	1.0	18.1	1.53	0.00
4151.0	0.1	100.	1.5	1.0	37.9	1.55	0.00
4154.0	0.1	100.	0.1	1.0	41.2	1.56	0.00
4155.0	0.1	100.	0.9	1.0	29.5	1.56	0.00
4156.0	0.1	100.	0.5	1.0	30.2	1.57	0.00
4159.0	0.1	100.	0.1	1.0	37.1	1.58	0.00
4160.0	0.1	100.	5.6	1.0	5.2	1.61	0.00
4161.0	0.2	100.	6.8	1.0	6.6	1.67	0.00
4162.0	0.1	100.	5.0	1.0	16.4	1.73	0.00
4163.0	0.1	100.	2.4	1.0	36.1	1.76	0.00
4168.0	0.1	100.	1.8	1.0	35.1	1.79	0.00
4169.0	0.1	100.	0.7	1.0	29.1	1.80	0.00
4170.0	0.1	100.	2.0	1.0	17.2	1.82	0.00
4171.0	0.1	100.	0.8	1.0	22.2	1.83	0.00
4172.0	0.1	100.	0.1	1.0	28.0	1.83	0.00
4173.0	0.1	100.	0.1	1.0	17.9	1.83	0.00
4174.0	0.1	100.	0.9	1.0	18.2	1.84	0.00
4175.0	0.1	100.	2.9	1.0	25.4	1.87	0.00
4176.0	0.1	100.	0.0	1.0	47.6	1.88	0.00
4179.0	0.1	100.	2.3	1.0	32.9	1.91	0.00
4180.0	0.1	100.	1.3	1.0	47.5	1.92	0.00
4189.0	0.1	100.	0.1	1.0	49.8	1.95	0.00
4190.0	0.1	100.	0.5	1.0	49.8	1.95	0.00
4196.0	0.1	100.	0.8	1.0	33.7	1.97	0.00
4197.0	0.1	100.	0.9	1.0	47.1	1.98	0.00
4199.0	0.1	100.	2.7	1.0	48.9	2.01	0.00
4200.0	0.1	100.	1.9	1.0	37.9	2.04	0.00
4201.0	0.1	100.	0.1	1.0	23.3	2.04	0.00
4202.0	0.1	100.	0.2	1.0	31.1	2.05	0.00
4206.0	0.1	100.	1.6	1.0	33.0	2.06	0.00
4207.0	0.1	100.	2.3	1.0	27.3	2.08	0.00
4208.0	0.1	100.	1.4	1.0	36.7	2.10	0.00
4209.0	0.1	100.	1.1	1.0	34.5	2.11	0.00
4210.0	0.1	100.	0.8	1.0	38.1	2.12	0.00
4215.0	0.1	100.	1.4	1.0	43.8	2.13	0.00
4216.0	0.1	100.	1.9	1.0	36.1	2.15	0.00
4217.0	0.1	100.	1.2	1.0	45.6	2.17	0.00
4218.0	0.1	100.	0.9	1.0	48.7	2.18	0.00

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4219.0	0.1	100.	0.6	1.0	42.0	2.18	0.00
4220.0	0.1	100.	1.1	1.0	25.7	2.19	0.00
4221.0	0.1	100.	1.9	1.0	29.4	2.21	0.00
4222.0	0.1	100.	0.7	1.0	47.1	2.22	0.00
4224.0	0.1	100.	1.0	1.0	46.2	2.23	0.00
4225.0	0.1	100.	1.4	1.0	41.7	2.24	0.00
4229.0	0.1	100.	0.0	1.0	39.5	2.25	0.00
4230.0	0.1	100.	1.9	1.0	19.2	2.27	0.00
4231.0	0.1	100.	2.3	1.0	24.6	2.29	0.00
4235.0	0.1	100.	0.1	1.0	44.4	2.31	0.00
4236.0	0.1	100.	2.9	1.0	20.5	2.34	0.00
4237.0	0.1	100.	3.2	1.0	23.4	2.37	0.00
4238.0	0.1	100.	3.3	1.0	22.3	2.40	0.00
4239.0	0.1	100.	2.7	1.0	21.1	2.43	0.00
4240.0	0.1	100.	1.8	1.0	20.0	2.45	0.00
4241.0	0.1	100.	0.9	1.0	29.5	2.46	0.00
4242.0	0.1	100.	1.0	1.0	46.4	2.47	0.00
4246.0	0.1	100.	0.4	1.0	44.9	2.47	0.00
4249.0	0.1	100.	1.5	1.0	30.4	2.49	0.00
4250.0	0.1	100.	1.6	1.0	31.0	2.50	0.00
4251.0	0.1	100.	1.0	1.0	48.9	2.51	0.00
4260.0	0.1	100.	3.5	1.0	19.2	2.54	0.00
4261.0	0.1	100.	4.5	1.0	11.9	2.58	0.00
4262.0	0.1	100.	3.0	1.0	20.7	2.62	0.00
4267.0	0.1	100.	3.7	1.0	4.2	2.67	0.00
4268.0	0.1	100.	4.8	1.0	1.6	2.72	0.00
4269.0	0.1	100.	3.8	1.0	4.8	2.76	0.00
4270.0	0.5	100.	7.8	1.0	8.4	2.82	0.00
4277.0	2.3	100.	11.2	1.0	48.1	3.29	0.00
4281.0	2.9	100.	11.8	1.0	25.0	3.64	0.00
4282.0	3.0	59.	12.0	1.0	8.7	3.76	0.04
4283.0	1.7	45.	10.5	1.0	4.6	3.87	0.10
4284.0	0.1	100.	5.6	1.0	1.3	3.94	0.12
4285.0	0.1	100.	4.6	1.0	0.5	3.99	0.12
4286.0	0.1	100.	2.9	1.0	0.5	4.03	0.12
4287.0	0.1	100.	4.1	1.0	1.0	4.06	0.12
4288.0	0.2	100.	6.7	1.0	17.5	4.12	0.12
4289.0	0.3	100.	6.9	1.0	38.6	4.19	0.12
4290.0	0.1	100.	5.2	1.0	48.3	4.25	0.12
4291.0	0.1	100.	4.7	1.0	46.2	4.30	0.12
4292.0	0.1	100.	4.5	1.0	34.8	4.34	0.12
4293.0	0.1	100.	5.1	1.0	32.3	4.38	0.12

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4294.0	0.1	100.	3.9	1.0	19.8	4.42	0.12
4295.0	0.1	100.	3.8	1.0	7.5	4.45	0.12
4296.0	0.3	89.	7.2	1.0	4.5	4.52	0.12
4297.0	1.4	72.	10.1	1.0	4.6	4.61	0.15
4298.0	2.0	64.	10.9	1.0	7.8	4.72	0.18
4299.0	0.1	100.	5.4	1.0	16.2	4.78	0.18
4300.0	0.1	100.	2.0	1.0	44.6	4.81	0.18
4301.0	0.1	100.	2.2	1.0	29.0	4.83	0.18
4302.0	0.1	100.	6.0	1.0	4.8	4.88	0.18
4303.0	0.1	100.	4.3	1.0	6.9	4.93	0.18
4304.0	0.1	100.	0.8	1.0	2.7	4.94	0.18
4305.0	0.1	100.	0.1	1.0	1.6	4.95	0.18
4306.0	0.1	100.	1.1	1.0	1.0	4.95	0.18
4307.0	0.1	100.	4.4	1.0	0.1	4.99	0.18
4308.0	0.2	100.	6.4	1.0	0.0	5.05	0.18
4309.0	0.1	100.	2.5	1.0	0.0	5.08	0.18
4310.0	0.1	100.	0.1	1.0	1.2	5.09	0.18
4311.0	0.1	100.	0.1	1.0	3.8	5.09	0.18
4312.0	0.3	100.	3.6	1.0	1.4	5.11	0.18
4313.0	0.1	71.	5.9	1.0	0.6	5.16	0.19
4314.0	0.1	84.	5.4	1.0	1.4	5.22	0.21
4315.0	0.1	100.	3.5	1.0	3.3	5.26	0.21
4316.0	0.1	100.	3.6	1.0	6.9	5.30	0.21
4317.0	0.1	100.	0.6	1.0	17.0	5.32	0.21
4318.0	0.1	100.	1.8	1.0	32.1	5.33	0.21
4319.0	0.1	100.	4.6	1.0	10.4	5.37	0.21
4320.0	0.1	100.	4.9	1.0	6.8	5.42	0.21
4321.0	0.1	100.	6.0	1.0	10.1	5.48	0.21
4322.0	0.4	100.	7.3	1.0	13.2	5.54	0.21
4323.0	0.7	100.	8.7	1.0	14.1	5.63	0.21
4324.0	0.6	100.	8.4	1.0	17.8	5.71	0.21
4325.0	0.4	100.	7.7	1.0	18.7	5.79	0.21
4326.0	0.4	100.	7.6	1.0	17.8	5.87	0.21
4327.0	0.3	100.	7.3	1.0	17.5	5.94	0.21
4328.0	0.2	100.	6.8	1.0	18.8	6.01	0.21
4329.0	0.1	100.	5.8	1.0	19.5	6.07	0.21
4330.0	0.1	100.	3.1	1.0	24.1	6.11	0.21
4331.0	0.1	100.	2.2	1.0	33.2	6.13	0.21
4348.0	0.1	100.	2.1	1.0	34.0	6.18	0.21
4349.0	0.1	100.	1.1	1.0	16.9	6.20	0.21
4350.0	0.1	100.	0.3	1.0	22.8	6.20	0.21
4351.0	0.1	100.	1.0	1.0	24.7	6.21	0.21
4364.0	0.4	100.	7.4	1.0	45.2	6.29	0.21
4365.0	0.5	96.	7.8	1.0	7.7	6.38	0.21
4366.0	0.2	100.	6.6	1.0	4.4	6.44	0.21
4367.0	0.2	100.	6.2	1.0	11.0	6.51	0.21
4368.0	0.1	100.	4.6	1.0	31.4	6.56	0.21
4369.0	0.1	100.	2.5	1.0	32.1	6.59	0.21

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4370.0	0.1	100.	1.9	1.0	16.3	6.61	0.21
4371.0	0.1	100.	3.0	1.0	19.8	6.64	0.21
4372.0	0.1	100.	3.2	1.0	28.5	6.67	0.21
4373.0	0.1	100.	4.0	1.0	37.2	6.70	0.21
4387.0	0.1	100.	0.1	1.0	12.5	7.14	0.21
4388.0	0.1	100.	0.2	1.0	4.5	7.14	0.21
4389.0	0.1	100.	2.9	1.0	9.7	7.16	0.21
4390.0	0.1	100.	3.1	1.0	44.5	7.19	0.21
4393.0	0.1	100.	0.2	1.0	15.4	7.25	0.21
4394.0	0.1	100.	1.5	1.0	9.0	7.26	0.21
4395.0	0.1	100.	0.9	1.0	10.6	7.27	0.21
4396.0	0.1	100.	1.3	1.0	12.8	7.28	0.21
4397.0	0.1	100.	0.5	1.0	12.5	7.29	0.21
4398.0	0.1	100.	1.4	1.0	13.0	7.30	0.21
4399.0	0.1	100.	3.2	1.0	11.0	7.32	0.21
4400.0	0.2	100.	6.2	1.0	5.1	7.38	0.21
4401.0	2.2	100.	11.2	1.0	3.9	7.47	0.21
4402.0	2.3	100.	11.3	1.0	5.1	7.59	0.21
4403.0	5.8	100.	13.9	1.0	8.2	7.72	0.21
4404.0	6.3	100.	14.2	1.0	7.7	7.86	0.21
4405.0	0.2	100.	6.6	1.0	8.9	7.96	0.21
4406.0	0.1	100.	1.3	1.0	18.5	7.99	0.21
4407.0	0.1	100.	0.2	1.0	48.5	7.99	0.21
4410.0	0.1	100.	0.9	1.0	44.3	7.99	0.21
4411.0	0.1	100.	1.1	1.0	32.8	8.00	0.21
4412.0	0.1	100.	2.1	1.0	9.8	8.03	0.21
4413.0	0.1	100.	3.1	1.0	9.8	8.05	0.21
4414.0	0.1	100.	3.0	1.0	23.3	8.08	0.21
4421.0	0.1	100.	0.1	1.0	40.2	8.09	0.21
4422.0	0.1	100.	0.2	1.0	35.6	8.09	0.21
4423.0	0.1	100.	0.1	1.0	35.9	8.09	0.21
4424.0	0.1	100.	1.2	1.0	18.3	8.10	0.21
4425.0	0.1	100.	2.4	1.0	9.1	8.12	0.21
4426.0	0.1	100.	1.9	1.0	9.7	8.15	0.21
4427.0	0.1	100.	0.2	1.0	40.3	8.15	0.21
4460.0	0.1	100.	0.2	1.0	30.1	8.16	0.21
4461.0	0.1	100.	0.1	1.0	21.4	8.16	0.21
4473.0	0.1	100.	0.1	1.0	41.0	8.17	0.21
4474.0	0.1	100.	0.1	1.0	25.8	8.17	0.21
4475.0	0.1	100.	0.1	1.0	29.0	8.17	0.21
4476.0	0.1	100.	0.1	1.0	28.8	8.17	0.21
4477.0	0.1	100.	0.1	1.0	35.5	8.17	0.21
4478.0	0.1	100.	0.1	1.0	36.8	8.17	0.21
4479.0	0.1	100.	0.1	1.0	46.7	8.17	0.21

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4486.0	0.1	100.	0.1	1.0	43.1	8.18	0.21
4487.0	0.1	100.	0.2	1.0	47.7	8.18	0.21
4525.0	0.1	100.	0.1	1.0	40.2	8.19	0.21
4526.0	0.1	100.	0.1	1.0	40.5	8.19	0.21
4540.0	0.1	100.	0.1	1.0	37.9	8.20	0.21
4541.0	0.1	100.	0.8	1.0	23.0	8.20	0.21
4542.0	0.1	100.	3.6	1.0	17.5	8.23	0.21
4543.0	0.1	100.	5.5	1.0	15.4	8.28	0.21
4544.0	0.7	100.	8.4	1.0	9.9	8.36	0.21
4545.0	3.4	95.	12.3	1.0	3.7	8.48	0.21
4546.0	3.6	92.	12.5	1.0	2.7	8.61	0.23
4547.0	2.6	97.	11.6	1.0	4.0	8.72	0.23
4548.0	3.0	95.	12.0	1.0	2.8	8.84	0.24
4549.0	1.8	100.	10.7	1.0	5.5	8.95	0.24
4550.0	1.6	100.	10.3	1.0	5.5	9.06	0.24
4551.0	1.3	100.	9.6	1.0	4.9	9.15	0.24
4552.0	1.4	100.	10.1	1.0	4.7	9.25	0.24
4553.0	1.7	100.	10.5	1.0	3.1	9.36	0.24
4554.0	1.6	100.	10.4	1.0	1.9	9.46	0.24
4555.0	1.3	100.	9.8	1.0	2.2	9.56	0.24
4556.0	1.0	100.	9.4	1.0	3.0	9.66	0.24
4557.0	1.7	100.	10.5	1.0	3.2	9.76	0.24
4558.0	2.1	100.	11.0	1.0	4.5	9.87	0.24
4559.0	3.8	90.	12.4	1.0	2.8	9.99	0.25
4560.0	1.5	100.	10.1	1.0	4.9	10.10	0.25
4561.0	1.1	100.	9.4	1.0	4.6	10.19	0.25
4562.0	0.4	100.	7.7	1.0	4.6	10.27	0.25
4563.0	1.5	100.	10.2	1.0	3.0	10.37	0.25
4564.0	3.5	92.	12.3	1.0	1.4	10.49	0.26
4565.0	2.3	96.	11.2	1.0	1.2	10.60	0.26
4566.0	0.4	100.	7.4	1.0	5.3	10.68	0.26
4567.0	0.2	100.	6.3	1.0	5.8	10.75	0.26
4568.0	0.4	100.	7.4	1.0	8.7	10.82	0.26
4569.0	0.5	100.	8.1	1.0	10.0	10.90	0.26
4580.0	0.1	100.	0.4	1.0	46.2	10.92	0.26
4583.0	0.1	100.	0.7	1.0	45.6	10.95	0.26
4584.0	0.1	100.	0.3	1.0	48.5	10.95	0.26
4586.0	0.1	100.	0.1	1.0	48.9	10.95	0.26
4591.0	0.1	100.	0.3	1.0	49.0	10.96	0.26
4594.0	0.1	100.	0.1	1.0	34.1	10.97	0.26
4595.0	0.1	100.	1.5	1.0	10.3	10.98	0.26
4596.0	0.1	100.	3.9	1.0	0.3	11.01	0.26

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4597.0	0.1	100.	5.1	1.0	2.9	11.06	0.26
4605.0	0.1	100.	1.0	1.0	46.2	11.09	0.26
4606.0	0.1	100.	1.4	1.0	38.9	11.10	0.26
4607.0	0.1	100.	1.1	1.0	38.2	11.11	0.26
4608.0	0.1	100.	1.2	1.0	32.8	11.13	0.26
4609.0	0.1	100.	0.9	1.0	25.8	11.14	0.26
4610.0	0.1	100.	1.0	1.0	17.6	11.14	0.26
4611.0	0.1	100.	2.0	1.0	10.4	11.16	0.26
4612.0	0.1	100.	4.3	1.0	7.4	11.20	0.26
4613.0	0.1	100.	4.4	1.0	17.8	11.25	0.26
4616.0	0.1	100.	2.3	1.0	34.2	11.28	0.26
4617.0	0.1	100.	2.6	1.0	26.4	11.31	0.26
4618.0	0.1	100.	2.3	1.0	24.7	11.33	0.26
4619.0	0.1	100.	2.1	1.0	25.5	11.35	0.26
4620.0	0.1	100.	3.0	1.0	22.1	11.38	0.26
4621.0	0.1	100.	3.2	1.0	19.3	11.41	0.26
4622.0	0.1	100.	3.5	1.0	20.6	11.45	0.26
4623.0	0.1	100.	4.4	1.0	19.0	11.49	0.26
4624.0	0.1	100.	4.8	1.0	17.4	11.54	0.26
4625.0	0.1	100.	5.7	1.0	17.1	11.59	0.26
4626.0	0.1	100.	6.0	1.0	16.0	11.65	0.26
4627.0	0.1	100.	5.0	1.0	21.0	11.70	0.26
4628.0	0.1	100.	5.5	1.0	19.8	11.76	0.26
4629.0	0.1	100.	5.4	1.0	16.5	11.81	0.26
4630.0	0.1	100.	4.7	1.0	18.1	11.86	0.26
4631.0	0.1	100.	2.0	1.0	27.0	11.89	0.26
4632.0	0.1	100.	1.5	1.0	31.6	11.90	0.26
4633.0	0.1	100.	1.3	1.0	29.8	11.91	0.26
4634.0	0.1	100.	1.4	1.0	22.5	11.93	0.26
4635.0	0.1	100.	1.2	1.0	19.2	11.94	0.26
4636.0	0.1	100.	0.9	1.0	28.1	11.95	0.26
4647.0	0.1	100.	1.3	1.0	40.9	11.96	0.26
4648.0	0.1	100.	1.1	1.0	42.8	11.97	0.26
4661.0	0.1	100.	0.5	1.0	46.6	11.98	0.26
4662.0	0.1	100.	0.3	1.0	44.8	11.99	0.26
4668.0	0.1	100.	0.8	1.0	45.8	11.99	0.26
4672.0	0.1	100.	1.2	1.0	23.0	12.02	0.26
4673.0	0.1	100.	3.2	1.0	13.3	12.05	0.26
4674.0	0.1	100.	3.4	1.0	25.1	12.08	0.26
4675.0	0.1	100.	1.0	1.0	47.2	12.10	0.26
4676.0	0.1	100.	2.3	1.0	38.7	12.12	0.26
4677.0	0.1	100.	2.1	1.0	33.2	12.14	0.26
4678.0	0.1	100.	2.0	1.0	22.0	12.16	0.26
4679.0	0.1	100.	3.1	1.0	15.2	12.19	0.26

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4680.0	0.1	100.	4.2	1.0	14.3	12.23	0.26
4681.0	0.1	100.	5.3	1.0	9.5	12.28	0.26
4682.0	0.3	100.	6.9	1.0	7.8	12.34	0.26
4683.0	0.3	100.	7.3	1.0	7.3	12.42	0.26
4684.0	0.5	100.	8.0	1.0	7.6	12.49	0.26
4685.0	0.5	100.	8.1	1.0	5.8	12.57	0.26
4686.0	0.7	100.	8.6	1.0	5.4	12.66	0.26
4687.0	0.8	100.	8.7	1.0	4.9	12.75	0.26
4688.0	0.7	100.	8.5	1.0	6.7	12.83	0.26
4689.0	0.4	100.	7.8	1.0	7.6	12.91	0.26
4690.0	0.4	100.	7.8	1.0	5.0	12.99	0.26
4691.0	0.3	100.	6.9	1.0	6.7	13.06	0.26
4692.0	0.3	100.	7.0	1.0	5.7	13.13	0.26
4693.0	0.3	100.	7.0	1.0	4.6	13.20	0.26
4694.0	0.2	100.	6.5	1.0	3.8	13.27	0.26
4695.0	0.1	100.	5.9	1.0	5.9	13.33	0.26
4696.0	0.1	100.	5.3	1.0	8.1	13.38	0.26
4697.0	0.1	100.	5.1	1.0	11.4	13.43	0.26
4698.0	0.1	100.	2.8	1.0	18.8	13.47	0.26
4699.0	0.1	100.	1.5	1.0	25.1	13.48	0.26
4700.0	0.1	100.	0.0	1.0	36.8	13.49	0.26
4701.0	0.1	100.	0.0	1.0	38.2	13.49	0.26
4705.0	0.1	100.	0.4	1.0	31.3	13.50	0.26
4706.0	0.1	100.	0.2	1.0	49.2	13.50	0.26
4723.0	0.1	100.	1.0	1.0	34.1	13.52	0.26
4724.0	0.1	100.	0.5	1.0	31.9	13.53	0.26
4725.0	0.1	100.	0.2	1.0	33.7	13.53	0.26
4726.0	0.1	100.	0.2	1.0	33.3	13.53	0.26
4727.0	0.1	100.	0.6	1.0	34.1	13.54	0.26
4728.0	0.1	100.	1.4	1.0	26.8	13.55	0.26
4729.0	0.1	100.	2.5	1.0	19.4	13.57	0.26
4730.0	0.1	100.	1.8	1.0	26.5	13.59	0.26
4731.0	0.1	100.	0.5	1.0	41.8	13.60	0.26
4732.0	0.1	100.	0.1	1.0	36.9	13.60	0.26
4733.0	0.1	100.	0.1	1.0	27.1	13.60	0.26
4734.0	0.1	100.	0.7	1.0	16.3	13.60	0.26
4735.0	0.1	100.	1.2	1.0	12.5	13.62	0.26
4736.0	0.1	100.	0.6	1.0	16.4	13.62	0.26
4737.0	0.1	100.	0.4	1.0	44.8	13.63	0.26
4763.0	0.1	100.	0.4	1.0	35.4	13.63	0.26
4764.0	0.1	100.	1.2	1.0	29.0	13.64	0.26
4765.0	0.1	100.	0.8	1.0	48.0	13.65	0.26
4767.0	0.1	100.	0.4	1.0	41.3	13.66	0.26
4768.0	0.1	100.	1.3	1.0	14.2	13.67	0.26
4769.0	0.1	100.	0.7	1.0	14.2	13.68	0.26
4770.0	0.1	100.	0.5	1.0	37.0	13.68	0.26

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4801.0	0.1	100.	0.3	1.0	47.1	13.69	0.26
4802.0	0.1	100.	0.8	1.0	40.5	13.70	0.26
4810.0	0.1	100.	0.4	1.0	41.3	13.71	0.26
4811.0	0.1	100.	0.6	1.0	39.0	13.72	0.26
4812.0	0.1	100.	0.7	1.0	37.0	13.72	0.26
4813.0	0.1	100.	1.0	1.0	28.3	13.73	0.26
4814.0	0.1	100.	0.1	1.0	32.1	13.74	0.26
4815.0	0.1	100.	0.1	1.0	46.7	13.74	0.26
4822.0	0.1	100.	0.8	1.0	46.8	13.75	0.26
4823.0	0.1	100.	0.6	1.0	40.3	13.76	0.26
4824.0	0.1	100.	0.3	1.0	35.3	13.76	0.26
4825.0	0.1	100.	0.7	1.0	33.3	13.77	0.26
4826.0	0.1	100.	0.4	1.0	44.9	13.77	0.26
4840.0	0.1	100.	0.6	1.0	49.1	13.79	0.26
4841.0	0.1	100.	0.7	1.0	46.9	13.80	0.26
4842.0	0.1	100.	1.2	1.0	48.1	13.81	0.26
4849.0	0.1	100.	1.0	1.0	40.2	13.83	0.26
4850.0	0.1	100.	0.5	1.0	39.2	13.84	0.26
4851.0	0.1	100.	0.2	1.0	42.4	13.84	0.26
4858.0	0.1	100.	1.3	1.0	45.9	13.85	0.26
4859.0	0.1	100.	1.3	1.0	36.4	13.87	0.26
4860.0	0.1	100.	1.4	1.0	29.1	13.88	0.26
4861.0	0.1	100.	1.0	1.0	32.4	13.89	0.26
4862.0	0.1	100.	1.0	1.0	47.2	13.90	0.26
4870.0	0.1	100.	1.0	1.0	44.2	13.92	0.26
4880.0	0.1	100.	1.4	1.0	33.9	13.95	0.26
4881.0	0.1	100.	0.2	1.0	25.2	13.96	0.26
4882.0	0.1	100.	1.4	1.0	29.2	13.97	0.26
4887.0	0.1	100.	0.4	1.0	35.8	14.00	0.26
4888.0	0.1	100.	0.1	1.0	33.8	14.00	0.26
4889.0	0.1	100.	0.1	1.0	39.3	14.00	0.26
4903.0	0.1	100.	0.1	1.0	44.3	14.00	0.26
4911.0	0.1	100.	4.7	1.0	27.2	14.06	0.26
4912.0	0.1	100.	2.1	1.0	35.7	14.09	0.26
4913.0	0.1	100.	0.9	1.0	34.4	14.10	0.26
4914.0	0.1	100.	0.1	1.0	34.6	14.10	0.26
4917.0	0.1	100.	0.6	1.0	49.2	14.12	0.26
4918.0	0.1	100.	1.7	1.0	32.2	14.13	0.26

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
4919.0	0.1	100.	1.7	1.0	14.7	14.15	0.26
4920.0	0.1	100.	0.5	1.0	14.1	14.16	0.26
4921.0	0.1	100.	0.1	1.0	19.3	14.16	0.26
4922.0	0.1	100.	0.1	1.0	40.7	14.16	0.26
4926.0	0.1	100.	0.7	1.0	49.4	14.17	0.26
4927.0	0.1	100.	0.1	1.0	45.1	14.17	0.26
4963.0	0.1	100.	0.3	1.0	48.5	14.20	0.26
4964.0	0.1	100.	0.1	1.0	42.9	14.20	0.26
4971.0	0.1	100.	0.3	1.0	30.3	14.21	0.26
4972.0	0.1	100.	0.6	1.0	29.6	14.22	0.26
4973.0	0.1	100.	0.1	1.0	46.8	14.22	0.26
4980.0	0.1	100.	1.3	1.0	33.8	14.23	0.26
4981.0	0.1	100.	1.2	1.0	30.7	14.25	0.26
4982.0	0.1	100.	0.1	1.0	36.9	14.25	0.26
4983.0	0.1	100.	0.1	1.0	44.5	14.25	0.26
4986.0	0.1	100.	0.5	1.0	31.9	14.26	0.26
4987.0	0.1	100.	0.2	1.0	26.5	14.26	0.26
4988.0	0.1	100.	0.7	1.0	30.2	14.26	0.26
4989.0	0.1	100.	0.7	1.0	29.9	14.27	0.26
4990.0	0.1	100.	0.3	1.0	35.2	14.28	0.26
4991.0	0.1	100.	0.1	1.0	42.3	14.28	0.26
4998.0	0.1	100.	1.7	1.0	28.6	14.30	0.26
4999.0	0.1	100.	2.5	1.0	19.3	14.32	0.26
5000.0	0.1	100.	3.2	1.0	13.3	14.35	0.26
5001.0	0.1	100.	3.7	1.0	8.3	14.38	0.26
5002.0	0.1	100.	3.1	1.0	14.0	14.42	0.26
5003.0	0.1	100.	0.7	1.0	37.7	14.43	0.26
5004.0	0.1	100.	0.4	1.0	38.1	14.43	0.26
5005.0	0.1	100.	1.4	1.0	16.8	14.45	0.26
5006.0	0.1	100.	3.8	1.0	14.2	14.48	0.26
5007.0	0.1	100.	3.8	1.0	14.8	14.52	0.26
5008.0	0.1	100.	5.0	1.0	11.1	14.56	0.26
5009.0	0.1	100.	5.4	1.0	9.9	14.62	0.26
5010.0	0.1	100.	4.6	1.0	11.6	14.67	0.26
5011.0	0.4	100.	7.6	1.0	4.1	14.73	0.26
5012.0	1.0	80.	9.4	1.0	1.1	14.82	0.28
5013.0	1.4	75.	10.1	1.0	1.1	14.92	0.30
5014.0	1.5	77.	10.2	1.0	0.9	15.02	0.33
5015.0	1.2	85.	9.7	1.0	0.8	15.12	0.34
5016.0	1.9	75.	10.8	1.0	1.0	15.22	0.37
5017.0	1.9	71.	10.7	1.0	1.1	15.33	0.40
5018.0	0.6	85.	8.4	1.0	2.5	15.42	0.42
5019.0	0.2	100.	6.4	1.0	4.5	15.49	0.42
5020.0	0.1	100.	2.5	1.0	19.5	15.53	0.42

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5021.0	0.1	100.	0.0	1.0	46.4	15.53	0.42
5038.0	0.1	100.	0.1	1.0	48.1	15.54	0.42
5039.0	0.1	100.	0.0	1.0	48.5	15.54	0.42
5043.0	0.1	100.	0.6	1.0	44.4	15.55	0.42
5044.0	0.1	100.	0.9	1.0	37.1	15.55	0.42
5046.0	0.1	100.	0.3	1.0	47.8	15.56	0.42
5077.0	0.1	100.	0.2	1.0	47.8	15.56	0.42
5078.0	0.1	100.	0.2	1.0	35.3	15.56	0.42
5079.0	0.1	100.	0.2	1.0	38.6	15.57	0.42
5086.0	0.1	100.	0.0	1.0	39.7	15.57	0.42
5087.0	0.1	100.	0.4	1.0	23.2	15.57	0.42
5088.0	0.1	100.	0.3	1.0	20.8	15.57	0.42
5089.0	0.1	100.	0.1	1.0	21.2	15.57	0.42
5090.0	0.1	100.	1.1	1.0	29.3	15.58	0.42
5091.0	0.1	100.	0.3	1.0	42.9	15.59	0.42
5094.0	0.1	100.	0.4	1.0	38.9	15.60	0.42
5095.0	0.1	100.	0.1	1.0	29.8	15.60	0.42
5099.0	0.1	100.	0.1	1.0	45.7	15.60	0.42
5100.0	0.1	100.	0.3	1.0	37.9	15.60	0.42
5101.0	0.1	100.	0.0	1.0	47.5	15.60	0.42
5118.0	0.1	100.	0.4	1.0	43.1	15.61	0.42
5119.0	0.1	100.	0.4	1.0	37.3	15.61	0.42
5120.0	0.1	100.	0.4	1.0	40.2	15.62	0.42
5121.0	0.1	100.	0.5	1.0	35.5	15.62	0.42
5122.0	0.1	100.	0.3	1.0	33.5	15.62	0.42
5123.0	0.1	100.	0.1	1.0	42.2	15.63	0.42
5124.0	0.1	100.	0.0	1.0	40.1	15.63	0.42
5125.0	0.1	100.	0.0	1.0	41.3	15.63	0.42
5151.0	0.1	100.	0.1	1.0	39.3	15.63	0.42
5152.0	0.1	100.	0.1	1.0	44.5	15.63	0.42
5153.0	0.1	100.	0.1	1.0	45.7	15.63	0.42
5158.0	0.1	100.	0.1	1.0	42.0	15.64	0.42
5159.0	0.1	100.	0.1	1.0	26.7	15.64	0.42
5160.0	0.1	100.	0.8	1.0	25.5	15.64	0.42
5161.0	0.1	100.	0.1	1.0	35.7	15.65	0.42
5162.0	0.1	100.	0.1	1.0	49.4	15.65	0.42
5172.0	0.1	100.	0.4	1.0	45.3	15.65	0.42
5173.0	0.1	100.	0.2	1.0	49.3	15.66	0.42
5206.0	0.1	100.	1.1	1.0	38.0	15.67	0.42

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5207.0	0.1	100.	0.8	1.0	36.0	15.68	0.42
5208.0	0.1	100.	0.1	1.0	40.9	15.69	0.42
5230.0	0.1	100.	0.0	1.0	40.5	15.69	0.42
5231.0	0.1	100.	0.0	1.0	43.2	15.69	0.42
5232.0	0.1	100.	0.7	1.0	33.3	15.69	0.42
5233.0	0.1	100.	2.3	1.0	21.9	15.71	0.42
5234.0	0.1	100.	4.1	1.0	18.7	15.75	0.42
5235.0	0.3	93.	7.0	1.0	12.4	15.81	0.42
5236.0	0.3	100.	6.9	1.0	18.3	15.88	0.42
5237.0	0.5	99.	7.8	1.0	18.2	15.96	0.42
5238.0	0.8	96.	8.7	1.0	14.4	16.04	0.43
5239.0	0.9	98.	9.1	1.0	8.7	16.13	0.43
5240.0	1.3	96.	9.9	1.0	4.5	16.23	0.44
5241.0	0.9	100.	9.2	1.0	5.9	16.32	0.44
5242.0	0.8	98.	8.9	1.0	4.0	16.41	0.44
5243.0	0.9	91.	9.2	1.0	1.2	16.50	0.44
5244.0	1.3	86.	9.9	1.0	1.5	16.60	0.45
5245.0	1.7	84.	10.6	1.0	3.1	16.70	0.47
5246.0	1.5	98.	10.2	1.0	6.2	16.80	0.47
5247.0	1.8	100.	10.7	1.0	7.7	16.91	0.47
5248.0	1.4	100.	10.0	1.0	10.1	17.01	0.47
5249.0	1.8	100.	10.7	1.0	11.6	17.12	0.47
5250.0	1.4	100.	10.0	1.0	12.9	17.22	0.47
5251.0	1.3	100.	10.0	1.0	14.4	17.32	0.47
5252.0	0.9	100.	9.1	1.0	17.0	17.41	0.47
5253.0	0.2	93.	6.7	0.9	21.7	17.48	0.48
5254.0	0.6	71.	8.2	1.0	15.0	17.56	0.50
5255.0	0.8	64.	8.8	1.0	11.3	17.65	0.53
5256.0	1.5	56.	10.2	1.0	4.5	17.74	0.57
5257.0	1.2	68.	9.8	1.0	7.9	17.84	0.60
5258.0	0.7	79.	8.5	1.0	9.6	17.93	0.62
5259.0	0.2	99.	6.3	1.0	7.4	18.00	0.63
5260.0	0.1	97.	6.0	1.0	3.0	18.06	0.63
5261.0	0.8	67.	8.7	0.5	0.6	18.14	0.65
5262.0	0.8	66.	8.9	0.6	0.7	18.23	0.68
5263.0	0.4	90.	7.5	1.0	2.7	18.31	0.70
5264.0	0.1	100.	5.3	1.0	12.4	18.37	0.70
5265.0	0.1	100.	4.6	1.0	21.1	18.41	0.70
5266.0	0.1	100.	3.8	1.0	31.9	18.45	0.70
5267.0	0.1	100.	2.8	1.0	40.8	18.48	0.70
5268.0	0.1	100.	2.1	1.0	46.8	18.51	0.70
5269.0	0.1	100.	1.7	1.0	48.2	18.52	0.70
5277.0	0.1	100.	0.1	1.0	44.8	18.54	0.70
5278.0	0.1	100.	0.1	1.0	36.7	18.54	0.70
5279.0	0.1	100.	0.1	1.0	35.5	18.54	0.70
5280.0	0.1	100.	0.5	1.0	34.1	18.54	0.70
5281.0	0.1	100.	1.8	1.0	29.6	18.56	0.70
5282.0	0.1	100.	1.6	1.0	27.1	18.58	0.70

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5283.0	0.1	100.	0.6	1.0	36.6	18.58	0.70
5287.0	0.1	100.	0.6	1.0	38.3	18.59	0.70
5288.0	0.1	100.	0.5	1.0	37.9	18.60	0.70
5289.0	0.1	100.	0.4	1.0	44.5	18.60	0.70
5293.0	0.1	100.	0.4	1.0	47.3	18.62	0.70
5309.0	0.1	100.	0.5	1.0	37.1	18.65	0.70
5310.0	0.1	100.	0.1	1.0	40.4	18.65	0.70
5311.0	0.1	100.	0.1	1.0	38.6	18.65	0.70
5312.0	0.1	100.	0.9	1.0	37.3	18.66	0.70
5313.0	0.1	100.	0.4	1.0	40.2	18.66	0.70
5321.0	0.1	100.	1.2	1.0	38.8	18.68	0.70
5322.0	0.1	100.	0.8	1.0	33.3	18.69	0.70
5323.0	0.1	100.	0.1	1.0	32.1	18.69	0.70
5324.0	0.1	100.	0.1	1.0	38.8	18.70	0.70
5325.0	0.1	100.	0.1	1.0	32.2	18.70	0.70
5326.0	0.1	100.	0.4	1.0	28.6	18.70	0.70
5327.0	0.1	100.	0.5	1.0	23.1	18.70	0.70
5328.0	0.1	100.	0.5	1.0	17.5	18.71	0.70
5329.0	0.1	100.	0.4	1.0	21.7	18.71	0.70
5330.0	0.1	100.	0.1	1.0	36.5	18.71	0.70
5359.0	0.8	100.	1.2	1.0	30.0	18.75	0.70
5360.0	0.1	100.	2.7	1.0	31.5	18.77	0.70
5361.0	0.1	100.	4.4	1.0	17.4	18.81	0.70
5362.0	0.1	91.	5.7	1.0	12.9	18.86	0.70
5363.0	0.1	98.	5.3	1.0	14.4	18.92	0.70
5364.0	0.3	85.	6.9	1.0	12.7	18.98	0.71
5365.0	0.1	100.	5.5	1.0	13.7	19.04	0.71
5366.0	0.1	100.	1.2	1.0	18.9	19.07	0.71
5367.0	0.1	100.	0.1	1.0	27.8	19.07	0.71
5368.0	0.1	100.	0.1	1.0	33.3	19.07	0.71
5369.0	0.1	100.	0.6	1.0	31.2	19.07	0.71
5370.0	0.1	100.	3.3	1.0	16.9	19.10	0.71
5371.0	0.1	79.	4.9	0.9	12.7	19.14	0.72
5372.0	0.2	68.	6.4	0.9	6.5	19.20	0.74
5373.0	0.2	78.	6.3	1.0	3.1	19.27	0.75
5374.0	0.2	75.	6.3	1.0	1.4	19.33	0.77
5375.0	0.2	69.	6.5	0.6	0.6	19.39	0.79
5376.0	0.4	58.	7.6	0.5	0.7	19.47	0.82
5377.0	0.7	54.	8.5	0.6	1.2	19.55	0.85
5378.0	0.5	74.	8.0	1.0	7.0	19.63	0.88
5379.0	0.7	93.	8.6	1.0	6.4	19.72	0.89
5380.0	0.8	100.	8.8	1.0	4.7	19.80	0.89
5381.0	0.5	90.	8.0	1.0	3.8	19.89	0.90
5382.0	0.1	100.	6.0	1.0	13.0	19.95	0.90
5383.0	0.1	100.	1.5	1.0	38.9	19.98	0.90

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM, PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5387.0	0.1	100.	0.1	1.0	38.0	19.98	0.90
5388.0	0.1	100.	0.1	1.0	38.2	19.98	0.90
5389.0	0.1	100.	0.1	1.0	37.8	19.99	0.90
5390.0	0.1	100.	0.4	1.0	46.4	19.99	0.90
5399.0	0.1	100.	0.7	1.0	47.2	20.02	0.90
5400.0	0.1	100.	0.9	1.0	37.5	20.03	0.90
5401.0	0.1	100.	2.9	1.0	20.9	20.06	0.90
5402.0	0.1	100.	2.8	1.0	23.3	20.09	0.90
5403.0	0.1	100.	1.5	1.0	24.3	20.11	0.90
5404.0	0.1	100.	0.8	1.0	23.2	20.12	0.90
5405.0	0.1	100.	0.9	1.0	18.3	20.12	0.90
5406.0	0.1	100.	1.3	1.0	11.2	20.14	0.90
5407.0	0.1	100.	0.1	1.0	16.4	20.14	0.90
5408.0	0.1	100.	1.4	1.0	17.5	20.15	0.90
5409.0	0.1	100.	0.4	1.0	25.8	20.16	0.90
5410.0	0.1	100.	0.6	1.0	47.7	20.16	0.90
5412.0	0.1	100.	0.2	1.0	45.2	20.17	0.90
5413.0	0.1	100.	0.8	1.0	31.1	20.17	0.90
5414.0	0.1	100.	1.9	1.0	33.1	20.19	0.90
5415.0	0.1	100.	1.9	1.0	39.7	20.21	0.90
5431.0	0.1	100.	0.4	1.0	34.6	20.27	0.90
5432.0	0.1	100.	0.8	1.0	32.2	20.28	0.90
5433.0	0.1	100.	0.7	1.0	35.2	20.28	0.90
5434.0	0.1	100.	1.5	1.0	36.4	20.29	0.90
5435.0	0.1	100.	2.1	1.0	34.8	20.31	0.90
5436.0	0.1	100.	3.7	1.0	22.0	20.35	0.90
5437.0	0.1	100.	4.5	1.0	12.1	20.39	0.90
5438.0	0.1	100.	4.6	1.0	10.7	20.44	0.90
5439.0	0.1	100.	3.9	1.0	15.4	20.48	0.90
5440.0	0.1	100.	5.3	1.0	17.5	20.53	0.90
5441.0	0.1	100.	5.6	1.0	19.3	20.58	0.90
5442.0	0.1	100.	4.4	1.0	24.8	20.63	0.90
5443.0	0.1	100.	0.7	1.0	40.8	20.65	0.90
5444.0	0.1	100.	0.7	1.0	46.4	20.65	0.90
5451.0	0.1	100.	0.3	1.0	44.6	20.69	0.90
5452.0	0.1	100.	0.7	1.0	35.5	20.70	0.90
5453.0	0.1	100.	0.4	1.0	31.8	20.70	0.90
5454.0	0.1	100.	0.4	1.0	23.8	20.71	0.90
5455.0	0.1	100.	0.1	1.0	34.2	20.71	0.90
5459.0	0.1	100.	0.1	1.0	48.9	20.72	0.90
5471.0	0.1	100.	0.0	1.0	44.9	20.72	0.90
5472.0	0.1	100.	3.5	1.0	22.3	20.74	0.90
5473.0	0.1	100.	5.6	1.0	15.6	20.79	0.90

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5474.0	0.3	88.	6.9	1.0	8.1	20.86	0.91
5475.0	0.3	89.	7.3	1.0	8.9	20.93	0.91
5476.0	0.1	100.	5.9	1.0	14.6	20.99	0.91
5477.0	0.1	100.	4.6	1.0	24.7	21.04	0.91
5478.0	0.1	100.	2.8	1.0	29.8	21.07	0.91
5479.0	0.1	100.	1.7	1.0	26.5	21.09	0.91
5480.0	0.1	100.	2.6	1.0	13.8	21.12	0.91
5481.0	0.1	100.	1.3	1.0	17.7	21.13	0.91
5482.0	0.1	100.	1.6	1.0	38.2	21.15	0.91
5493.0	0.1	100.	0.1	1.0	44.0	21.16	0.91
5494.0	0.1	100.	0.3	1.0	36.6	21.16	0.91
5495.0	0.1	100.	0.6	1.0	36.7	21.16	0.91
5496.0	0.1	100.	1.5	1.0	37.7	21.18	0.91
5518.0	0.1	100.	0.1	1.0	46.0	21.18	0.91
5519.0	0.1	100.	0.1	1.0	42.0	21.18	0.91
5520.0	0.1	100.	0.9	1.0	40.9	21.19	0.91
5521.0	0.1	100.	1.5	1.0	34.3	21.20	0.91
5522.0	0.1	100.	1.2	1.0	29.3	21.22	0.91
5523.0	0.1	100.	1.1	1.0	28.7	21.23	0.91
5524.0	0.1	100.	1.8	1.0	36.9	21.24	0.91
5529.0	0.1	100.	1.7	1.0	38.7	21.26	0.91
5530.0	0.1	100.	1.3	1.0	36.0	21.27	0.91
5531.0	0.2	100.	2.2	1.0	33.4	21.29	0.91
5532.0	0.1	100.	2.8	1.0	18.6	21.32	0.91
5533.0	0.1	100.	3.4	1.0	17.7	21.36	0.91
5534.0	0.1	100.	4.9	1.0	12.1	21.40	0.91
5535.0	0.3	93.	7.3	1.0	12.0	21.46	0.92
5536.0	0.4	85.	7.7	1.0	10.4	21.55	0.93
5537.0	0.2	99.	6.2	1.0	10.7	21.61	0.93
5538.0	0.3	86.	7.0	1.0	8.3	21.68	0.94
5539.0	0.4	80.	7.6	1.0	5.7	21.75	0.96
5540.0	0.5	78.	8.1	1.0	5.6	21.83	0.97
5541.0	0.9	70.	9.2	1.0	5.1	21.92	1.00
5542.0	0.4	83.	7.7	1.0	7.8	22.01	1.02
5543.0	0.4	84.	7.7	1.0	11.7	22.08	1.03
5544.0	0.2	100.	6.1	1.0	13.0	22.15	1.03
5545.0	0.5	83.	7.8	1.0	12.1	22.22	1.04
5546.0	0.3	95.	7.1	1.0	14.6	22.29	1.05
5547.0	0.2	100.	6.5	1.0	15.6	22.36	1.05
5548.0	0.2	100.	6.4	1.0	15.1	22.42	1.05
5549.0	0.3	89.	7.0	1.0	13.4	22.49	1.05
5550.0	0.1	100.	5.9	1.0	22.1	22.56	1.06
5551.0	0.1	100.	6.0	1.0	25.2	22.61	1.06
5552.0	0.1	100.	2.7	1.0	32.6	22.65	1.06
5553.0	0.1	100.	0.9	1.0	43.6	22.66	1.06
5554.0	0.1	100.	1.6	1.0	37.8	22.67	1.06
5555.0	0.1	100.	1.4	1.0	38.7	22.69	1.06

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5556.0	0.1	100.	1.6	1.0	38.9	22.70	1.06
5557.0	0.1	100.	1.4	1.0	39.7	22.72	1.06
5558.0	0.1	100.	1.3	1.0	34.4	22.73	1.06
5559.0	0.1	100.	0.5	1.0	31.8	22.74	1.06
5560.0	0.1	100.	0.3	1.0	27.6	22.74	1.06
5561.0	0.1	100.	1.0	1.0	27.8	22.75	1.06
5562.0	0.1	100.	1.3	1.0	32.5	22.76	1.06
5563.0	0.1	100.	2.0	1.0	29.7	22.78	1.06
5572.0	0.1	100.	0.1	1.0	46.5	22.80	1.06
5573.0	0.1	100.	0.4	1.0	48.4	22.80	1.06
5575.0	0.1	100.	0.4	1.0	47.9	22.81	1.06
5576.0	0.1	100.	0.1	1.0	41.9	22.81	1.06
5577.0	0.1	100.	0.1	1.0	40.4	22.81	1.06
5578.0	0.1	100.	0.1	1.0	39.7	22.81	1.06
5579.0	0.1	100.	0.1	1.0	48.6	22.81	1.06
5587.0	0.1	100.	0.3	1.0	38.3	22.83	1.06
5588.0	0.1	100.	1.4	1.0	30.0	22.84	1.06
5589.0	0.1	100.	1.6	1.0	35.4	22.86	1.06
5593.0	0.1	100.	1.2	1.0	44.7	22.89	1.06
5594.0	0.1	100.	2.1	1.0	39.9	22.91	1.06
5595.0	0.1	100.	1.2	1.0	42.4	22.92	1.06
5609.0	0.1	100.	1.3	1.0	34.8	22.95	1.06
5610.0	0.1	100.	0.3	1.0	41.6	22.95	1.06
5612.0	0.1	100.	0.1	1.0	40.9	22.96	1.06
5613.0	0.1	100.	0.1	1.0	36.2	22.96	1.06
5614.0	0.1	100.	0.6	1.0	47.5	22.96	1.06
5619.0	0.1	100.	0.6	1.0	40.2	22.98	1.06
5620.0	0.1	100.	2.1	1.0	15.5	23.00	1.06
5621.0	0.1	100.	1.9	1.0	12.2	23.02	1.06
5622.0	0.1	100.	2.6	1.0	13.5	23.04	1.06
5623.0	0.1	100.	3.0	1.0	34.5	23.07	1.06
5644.0	0.1	100.	1.1	1.0	45.2	23.16	1.06
5645.0	0.1	100.	0.1	1.0	47.2	23.16	1.06
5646.0	0.1	100.	0.6	1.0	46.2	23.17	1.06
5647.0	0.1	100.	0.5	1.0	44.8	23.17	1.06
5648.0	0.1	100.	0.9	1.0	41.4	23.18	1.06
5649.0	0.1	100.	0.1	1.0	38.8	23.19	1.06
5650.0	0.1	100.	0.2	1.0	40.5	23.19	1.06
5651.0	0.1	100.	0.7	1.0	29.0	23.19	1.06
5652.0	0.1	100.	0.1	1.0	19.6	23.20	1.06
5653.0	0.1	100.	0.1	1.0	23.0	23.20	1.06

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5655.0	0.1	100.	0.5	1.0	47.2	23.21	1.06
5661.0	0.1	100.	0.1	1.0	48.4	23.22	1.06
5662.0	0.1	100.	0.2	1.0	41.3	23.22	1.06
5663.0	0.1	100.	0.2	1.0	37.3	23.23	1.06
5664.0	0.1	100.	0.8	1.0	36.4	23.23	1.06
5665.0	0.1	100.	1.0	1.0	42.1	23.24	1.06
5666.0	0.1	100.	0.8	1.0	49.2	23.25	1.06
5667.0	0.1	100.	0.7	1.0	48.6	23.26	1.06
5668.0	0.1	100.	0.5	1.0	45.6	23.26	1.06
5669.0	0.1	100.	0.4	1.0	30.0	23.27	1.06
5670.0	0.1	100.	0.7	1.0	23.0	23.27	1.06
5671.0	0.1	100.	0.1	1.0	31.8	23.28	1.06
5672.0	0.1	100.	0.1	1.0	38.4	23.28	1.06
5692.0	0.1	100.	0.9	1.0	45.6	23.32	1.06
5693.0	0.1	100.	0.8	1.0	41.3	23.33	1.06
5702.0	0.1	100.	0.8	1.0	27.9	23.34	1.06
5703.0	0.1	100.	1.8	1.0	15.1	23.36	1.06
5704.0	0.1	100.	2.4	1.0	19.2	23.38	1.06
5710.0	0.1	100.	0.1	1.0	38.0	23.41	1.06
5711.0	0.1	100.	0.1	1.0	36.2	23.41	1.06
5712.0	0.1	100.	0.3	1.0	42.4	23.41	1.06
5719.0	0.1	100.	1.6	1.0	38.6	23.44	1.06
5720.0	0.1	100.	1.0	1.0	42.2	23.45	1.06
5721.0	0.1	100.	0.3	1.0	46.8	23.46	1.06
5722.0	0.1	100.	1.1	1.0	46.5	23.47	1.06
5723.0	0.1	100.	0.9	1.0	49.0	23.48	1.06
5729.0	0.1	100.	1.3	1.0	44.9	23.50	1.06
5730.0	0.1	100.	2.5	1.0	38.2	23.52	1.06
5731.0	0.1	100.	2.1	1.0	47.3	23.54	1.06
5735.0	0.1	100.	1.1	1.0	36.8	23.58	1.06
5736.0	0.1	100.	0.7	1.0	39.9	23.59	1.06
5745.0	0.1	100.	0.1	1.0	36.7	23.59	1.06
5746.0	0.1	100.	0.1	1.0	26.7	23.59	1.06
5747.0	0.1	100.	0.1	1.0	20.2	23.59	1.06
5748.0	0.1	100.	3.4	1.0	11.2	23.62	1.06
5749.0	0.1	100.	4.7	1.0	10.4	23.66	1.06
5750.0	0.1	100.	4.2	1.0	17.4	23.71	1.06
5751.0	0.1	100.	2.8	1.0	34.7	23.74	1.06
5761.0	0.1	100.	2.5	1.0	37.7	23.79	1.06
5762.0	0.1	100.	1.3	1.0	45.9	23.81	1.06
5763.0	0.1	100.	0.7	1.0	49.5	23.82	1.06

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5775.0	0.1	100.	0.4	1.0	47.0	23.86	1.06
5776.0	0.1	100.	0.1	1.0	38.3	23.86	1.06
5777.0	0.1	100.	0.1	1.0	41.8	23.86	1.06
5778.0	0.1	100.	0.2	1.0	40.6	23.86	1.06
5779.0	0.1	100.	0.1	1.0	44.4	23.86	1.06
5780.0	0.1	100.	0.1	1.0	47.3	23.86	1.06
5785.0	0.1	100.	0.7	1.0	49.4	23.88	1.06
5786.0	0.1	100.	0.2	1.0	37.3	23.88	1.06
5787.0	0.1	100.	0.1	1.0	49.3	23.89	1.06
5790.0	0.1	100.	0.5	1.0	43.9	23.89	1.06
5791.0	0.1	100.	1.6	1.0	20.9	23.90	1.06
5792.0	0.1	100.	1.6	1.0	6.7	23.92	1.06
5793.0	0.1	100.	1.0	1.0	9.6	23.93	1.06
5794.0	0.1	100.	1.6	1.0	25.0	23.94	1.06
5795.0	0.1	100.	2.0	1.0	41.7	23.96	1.06
5805.0	0.1	100.	0.1	1.0	47.8	24.01	1.06
5806.0	0.1	100.	0.3	1.0	33.9	24.01	1.06
5807.0	0.1	100.	0.8	1.0	31.9	24.01	1.06
5808.0	0.1	100.	1.2	1.0	47.9	24.03	1.06
5812.0	0.1	100.	0.1	1.0	47.9	24.03	1.06
5813.0	0.1	100.	0.1	1.0	35.2	24.03	1.06
5814.0	0.1	100.	0.1	1.0	33.4	24.04	1.06
5815.0	0.1	100.	0.1	1.0	32.1	24.04	1.06
5816.0	0.1	100.	0.3	1.0	36.9	24.04	1.06
5817.0	0.1	100.	0.8	1.0	42.3	24.05	1.06
5818.0	0.1	100.	0.5	1.0	40.7	24.05	1.06
5819.0	0.1	100.	0.2	1.0	33.8	24.06	1.06
5820.0	0.1	100.	0.1	1.0	30.9	24.06	1.06
5821.0	0.1	100.	0.4	1.0	31.6	24.06	1.06
5822.0	0.1	100.	0.6	1.0	22.6	24.07	1.06
5823.0	0.1	100.	0.1	1.0	33.5	24.07	1.06
5826.0	0.1	100.	0.1	1.0	36.1	24.07	1.06
5829.0	0.1	100.	0.1	1.0	21.1	24.07	1.06
5830.0	0.1	100.	1.1	1.0	15.0	24.08	1.06
5831.0	0.1	100.	0.6	1.0	26.6	24.09	1.06
5837.0	0.1	100.	0.7	1.0	45.2	24.09	1.06
5838.0	0.1	100.	0.6	1.0	39.3	24.10	1.06
5843.0	0.1	100.	0.1	1.0	38.6	24.11	1.06
5844.0	0.1	100.	0.7	1.0	39.9	24.11	1.06
5845.0	0.1	100.	0.3	1.0	42.4	24.12	1.06
5846.0	0.1	100.	0.1	1.0	48.1	24.12	1.06

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
5848.0	0.1	100.	0.1	1.0	49.8	24.12	1.06
5849.0	0.1	100.	0.1	1.0	28.2	24.12	1.06
5850.0	0.1	100.	0.2	1.0	14.8	24.12	1.06
5851.0	0.1	100.	0.6	1.0	12.4	24.13	1.06
5852.0	0.1	100.	0.8	1.0	20.4	24.14	1.06
5853.0	0.1	100.	1.1	1.0	39.0	24.15	1.06
5861.0	0.1	100.	0.7	1.0	41.0	24.18	1.06
5862.0	0.1	100.	2.3	1.0	35.8	24.20	1.06
5863.0	0.1	100.	1.5	1.0	39.1	24.21	1.06
5864.0	0.1	100.	0.6	1.0	33.2	24.22	1.06
5865.0	0.1	100.	1.1	1.0	33.4	24.23	1.06
5866.0	0.1	100.	1.1	1.0	35.4	24.24	1.06
5867.0	0.1	100.	1.3	1.0	29.3	24.26	1.06
5868.0	0.1	100.	1.0	1.0	31.8	24.27	1.06
5869.0	0.1	100.	1.3	1.0	36.4	24.28	1.06
5870.0	0.1	100.	1.9	1.0	33.4	24.30	1.06
5871.0	0.1	100.	1.0	1.0	30.0	24.31	1.06
5872.0	0.1	100.	2.1	1.0	33.3	24.33	1.06
5873.0	0.1	100.	2.1	1.0	33.9	24.35	1.06
5874.0	0.1	100.	2.5	1.0	22.5	24.38	1.06
5875.0	0.1	100.	2.5	1.0	14.0	24.40	1.06
5876.0	0.1	100.	4.6	1.0	10.3	24.44	1.06
5877.0	0.4	75.	7.4	1.0	8.1	24.51	1.07
5878.0	0.6	71.	8.3	1.0	7.2	24.59	1.09
5879.0	0.6	66.	8.4	1.0	9.6	24.67	1.12
5880.0	0.5	69.	8.0	1.0	9.8	24.75	1.15
5881.0	0.3	81.	7.3	1.0	6.3	24.83	1.16
5882.0	0.8	66.	9.0	1.0	6.7	24.91	1.19
5883.0	1.3	55.	9.9	1.0	6.6	25.01	1.23
5884.0	1.0	63.	9.4	1.0	6.7	25.11	1.27
5885.0	0.7	78.	8.5	1.0	6.4	25.19	1.29
5886.0	1.3	62.	9.9	1.0	5.3	25.29	1.32
5887.0	0.9	59.	9.0	1.0	8.0	25.38	1.36
5888.0	1.2	50.	9.7	1.0	10.1	25.48	1.40
5889.0	0.7	58.	8.5	1.0	17.3	25.57	1.45
5902.0	0.1	100.	0.0	1.0	46.7	25.62	1.45
5903.0	0.1	100.	0.8	1.0	30.2	25.63	1.45
5904.0	0.1	100.	0.5	1.0	46.1	25.63	1.45
5913.0	0.1	100.	0.1	1.0	47.3	25.64	1.45
5914.0	0.1	100.	1.2	1.0	43.5	25.65	1.45
5919.0	0.1	100.	1.2	1.0	40.9	25.68	1.45
5920.0	0.1	100.	1.1	1.0	36.3	25.69	1.45
5921.0	0.1	100.	1.6	1.0	34.4	25.71	1.45
5922.0	0.1	100.	1.4	1.0	37.4	25.72	1.45
5923.0	0.1	100.	1.0	1.0	37.4	25.73	1.45
5924.0	0.1	100.	1.4	1.0	43.7	25.75	1.45

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM.	WATER	POROSITY	MATRIX	CLAY	CUM	CUM.
	PERM.	WATER	POROSITY	DENSITY	CLAY	CUM	CUM.
	MD	%	%	GM/CC	%	FEET	FEET
5941.0	0.1	100.	1.1	1.0	45.5	25.77	1.45
5942.0	0.1	100.	0.9	1.0	49.1	25.78	1.45
5947.0	0.1	100.	0.2	1.0	22.9	25.80	1.45
5948.0	0.1	100.	0.3	1.0	13.3	25.80	1.45
5949.0	0.1	100.	1.2	1.0	18.1	25.81	1.45
5950.0	0.1	100.	0.6	1.0	44.2	25.82	1.45
5965.0	0.1	100.	0.9	1.0	39.1	25.82	1.45
5966.0	0.1	100.	1.8	1.0	32.5	25.84	1.45
5967.0	0.1	100.	0.8	1.0	37.0	25.85	1.45
5968.0	0.1	100.	0.7	1.0	45.9	25.86	1.45
5980.0	0.1	100.	0.1	1.0	49.4	25.87	1.45
5981.0	0.1	100.	0.1	1.0	43.1	25.87	1.45
5989.0	0.1	100.	0.3	1.0	46.2	25.90	1.45
5990.0	0.1	100.	0.2	1.0	44.9	25.90	1.45
5991.0	0.1	100.	0.4	1.0	45.0	25.90	1.45
5995.0	0.1	100.	0.2	1.0	48.4	25.91	1.45
5996.0	0.1	100.	0.6	1.0	41.5	25.91	1.45
5997.0	0.1	100.	1.6	1.0	28.0	25.92	1.45
5998.0	0.1	100.	1.4	1.0	23.7	25.94	1.45
5999.0	0.1	100.	1.0	1.0	29.7	25.95	1.45
6000.0	0.1	100.	0.4	1.0	32.3	25.95	1.45
6001.0	0.1	100.	1.2	1.0	38.0	25.96	1.45
6004.0	0.1	100.	0.5	1.0	47.5	25.98	1.45
6005.0	0.1	100.	0.1	1.0	34.6	25.99	1.45
6006.0	0.1	100.	0.6	1.0	32.7	25.99	1.45
6007.0	0.1	100.	0.5	1.0	37.8	25.99	1.45
6008.0	0.1	100.	2.1	1.0	30.2	26.01	1.45
6009.0	0.1	100.	2.4	1.0	36.8	26.03	1.45
6032.0	0.1	100.	0.1	1.0	36.5	26.07	1.45
6033.0	0.1	100.	0.1	1.0	20.6	26.08	1.45
6034.0	0.1	100.	1.2	1.0	14.0	26.08	1.45
6035.0	0.1	100.	3.2	1.0	12.5	26.11	1.45
6036.0	0.1	100.	5.2	1.0	12.2	26.16	1.45
6037.0	0.1	100.	6.0	1.0	13.5	26.22	1.45
6038.0	0.1	100.	4.7	1.0	9.3	26.27	1.45
6039.0	0.2	96.	6.8	1.0	6.8	26.33	1.45
6040.0	0.3	88.	7.3	1.0	10.4	26.40	1.46
6041.0	0.3	95.	7.2	1.0	16.5	26.48	1.46
6042.0	0.1	100.	4.6	1.0	47.1	26.53	1.46
6059.0	0.1	100.	1.2	1.0	37.1	26.59	1.46
6060.0	0.1	100.	0.8	1.0	38.1	26.60	1.46

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6061.0	0.1	100.	0.4	1.0	34.6	26.61	1.46
6062.0	0.1	100.	0.8	1.0	23.7	26.61	1.46
6063.0	0.1	100.	0.2	1.0	21.7	26.62	1.46
6064.0	0.1	100.	0.1	1.0	27.2	26.62	1.46
6065.0	0.1	100.	0.1	1.0	40.2	26.62	1.46
6066.0	0.1	100.	0.1	1.0	36.1	26.62	1.46
6067.0	0.1	100.	1.0	1.0	38.6	26.63	1.46
6068.0	0.1	100.	1.9	1.0	39.1	26.64	1.46
6069.0	0.1	100.	1.0	1.0	45.9	26.66	1.46
6073.0	0.1	100.	0.1	1.0	49.8	26.67	1.46
6074.0	0.1	100.	0.1	1.0	33.2	26.67	1.46
6075.0	0.1	100.	0.7	1.0	21.6	26.67	1.46
6076.0	0.1	100.	2.9	1.0	15.8	26.70	1.46
6077.0	0.1	100.	4.9	1.0	14.0	26.74	1.46
6078.0	0.4	77.	7.7	1.0	12.6	26.81	1.48
6079.0	0.5	77.	8.0	1.0	12.1	26.89	1.50
6080.0	0.6	73.	8.3	1.0	15.4	26.97	1.52
6081.0	0.3	100.	5.0	1.0	29.9	27.03	1.52
6082.0	0.2	86.	6.8	1.0	20.8	27.10	1.53
6083.0	0.1	100.	5.4	1.0	22.8	27.16	1.53
6084.0	0.1	100.	3.8	1.0	30.9	27.20	1.53
6085.0	0.1	100.	3.2	1.0	33.3	27.23	1.53
6086.0	0.1	100.	2.8	1.0	32.0	27.26	1.53
6087.0	0.1	100.	3.3	1.0	30.7	27.29	1.53
6088.0	0.1	100.	3.7	1.0	35.7	27.33	1.53
6089.0	0.1	100.	5.2	1.0	31.8	27.38	1.53
6090.0	0.2	95.	6.3	1.0	12.6	27.44	1.54
6091.0	0.1	100.	4.9	1.0	7.3	27.49	1.54
6092.0	0.5	68.	7.9	1.0	4.7	27.57	1.56
6093.0	0.9	58.	9.2	1.0	3.1	27.66	1.59
6094.0	1.6	52.	10.6	1.0	2.1	27.76	1.64
6095.0	1.3	62.	9.8	1.0	2.4	27.86	1.68
6096.0	0.7	72.	8.6	1.0	3.1	27.95	1.71
6097.0	0.9	68.	9.1	1.0	3.8	28.04	1.74
6098.0	1.4	58.	10.1	1.0	5.1	28.14	1.78
6099.0	0.6	67.	8.2	1.0	9.3	28.22	1.81
6100.0	0.1	100.	3.3	1.0	38.2	28.26	1.81
6109.0	0.1	100.	0.6	1.0	45.7	28.27	1.81
6110.0	0.1	100.	1.5	1.0	26.0	28.28	1.81
6111.0	0.1	100.	1.4	1.0	27.8	28.30	1.81
6112.0	0.1	100.	0.7	1.0	43.6	28.31	1.81
6113.0	0.1	100.	0.6	1.0	24.7	28.31	1.81
6114.0	0.1	100.	0.9	1.0	13.7	28.32	1.81
6115.0	0.1	100.	2.8	1.0	12.0	28.34	1.81
6116.0	0.1	100.	3.6	1.0	16.8	28.38	1.81
6117.0	0.1	100.	1.7	1.0	30.3	28.40	1.81
6123.0	0.1	100.	0.0	1.0	48.2	28.41	1.81

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6124.0	0.1	100.	0.0	1.0	42.0	28.41	1.81
6125.0	0.1	100.	0.0	1.0	40.7	28.41	1.81
6126.0	0.1	100.	1.6	1.0	25.6	28.42	1.81
6127.0	0.1	100.	2.3	1.0	15.8	28.44	1.81
6128.0	0.1	100.	1.4	1.0	21.3	28.46	1.81
6129.0	0.1	100.	0.6	1.0	36.1	28.47	1.81
6134.0	0.1	100.	0.1	1.0	37.9	28.47	1.81
6135.0	0.1	100.	0.1	1.0	16.3	28.47	1.81
6136.0	0.1	100.	0.7	1.0	19.2	28.48	1.81
6137.0	0.1	100.	0.0	1.0	44.7	28.48	1.81
6143.0	0.1	100.	1.0	1.0	45.4	28.49	1.81
6144.0	0.1	100.	0.9	1.0	40.9	28.50	1.81
6149.0	0.1	100.	3.2	1.0	25.5	28.53	1.81
6150.0	0.1	100.	2.3	1.0	6.9	28.56	1.81
6151.0	0.1	100.	2.5	1.0	3.7	28.58	1.81
6152.0	0.1	100.	1.9	1.0	4.8	28.60	1.81
6153.0	0.1	100.	0.5	1.0	15.4	28.61	1.81
6154.0	0.1	100.	0.1	1.0	32.7	28.61	1.81
6161.0	0.1	100.	0.5	1.0	48.2	28.62	1.81
6172.0	0.1	100.	0.7	1.0	46.4	28.63	1.81
6173.0	0.1	100.	1.1	1.0	29.9	28.65	1.81
6174.0	0.1	100.	0.6	1.0	22.3	28.65	1.81
6175.0	0.1	100.	0.8	1.0	30.1	28.66	1.81
6178.0	0.1	100.	0.5	1.0	38.6	28.66	1.81
6179.0	0.1	100.	0.1	1.0	25.7	28.67	1.81
6180.0	0.1	100.	0.1	1.0	26.6	28.67	1.81
6181.0	0.1	100.	0.3	1.0	34.8	28.67	1.81
6182.0	0.1	100.	0.1	1.0	48.6	28.67	1.81
6183.0	0.1	100.	0.2	1.0	48.7	28.67	1.81
6193.0	0.1	100.	1.1	1.0	39.9	28.68	1.81
6194.0	0.1	100.	0.4	1.0	40.4	28.69	1.81
6202.0	0.1	100.	0.1	1.0	49.7	28.70	1.81
6205.0	0.1	100.	0.1	1.0	49.7	28.70	1.81
6206.0	0.1	100.	0.3	1.0	49.1	28.70	1.81
6216.0	0.1	100.	1.3	1.0	29.0	28.72	1.81
6217.0	0.1	100.	0.4	1.0	24.9	28.73	1.81
6223.0	0.1	100.	2.3	1.0	21.0	28.74	1.81
6224.0	0.1	100.	1.5	1.0	15.3	28.76	1.81
6225.0	0.1	100.	2.5	1.0	13.2	28.79	1.81

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM, PERM, MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM, CUM, FEET
6226.0	0.1	100.	3.3	1.0	12.5	28.82	1.81
6227.0	0.1	100.	3.1	1.0	12.3	28.85	1.81
6228.0	0.1	100.	2.8	1.0	11.9	28.88	1.81
6229.0	0.1	100.	2.6	1.0	18.5	28.90	1.81
6230.0	0.1	100.	1.2	1.0	29.9	28.92	1.81
6235.0	0.1	100.	0.6	1.0	36.6	28.93	1.81
6236.0	0.1	100.	0.1	1.0	40.4	28.93	1.81
6239.0	0.1	100.	0.1	1.0	48.9	28.94	1.81
6240.0	0.1	100.	0.1	1.0	39.2	28.94	1.81
6241.0	0.1	100.	0.9	1.0	26.3	28.94	1.81
6242.0	0.1	100.	2.1	1.0	23.0	28.97	1.81
6243.0	0.1	100.	1.2	1.0	29.5	28.98	1.81
6244.0	0.1	100.	0.0	1.0	48.3	28.98	1.81
6248.0	0.1	100.	1.2	1.0	44.6	28.99	1.81
6249.0	0.1	100.	0.9	1.0	45.0	29.00	1.81
6260.0	0.1	100.	0.5	1.0	35.9	29.02	1.81
6261.0	0.1	100.	1.0	1.0	35.4	29.03	1.81
6262.0	0.1	100.	2.5	1.0	29.4	29.04	1.81
6263.0	0.1	100.	1.0	1.0	30.5	29.05	1.81
6264.0	0.1	100.	0.5	1.0	26.0	29.06	1.81
6265.0	0.1	100.	0.3	1.0	28.3	29.06	1.81
6266.0	0.1	100.	0.9	1.0	34.7	29.07	1.81
6267.0	0.1	100.	1.6	1.0	34.7	29.08	1.81
6268.0	0.1	100.	1.5	1.0	27.3	29.10	1.81
6269.0	0.1	100.	1.9	1.0	18.0	29.11	1.81
6270.0	0.1	100.	3.1	1.0	9.6	29.14	1.81
6271.0	0.1	100.	3.6	1.0	6.3	29.18	1.81
6272.0	0.1	100.	1.5	1.0	16.3	29.20	1.81
6282.0	0.1	100.	0.1	1.0	37.8	29.20	1.81
6283.0	0.1	100.	0.1	1.0	41.7	29.20	1.81
6284.0	0.1	100.	0.1	1.0	48.0	29.21	1.81
6285.0	0.1	100.	0.1	1.0	42.3	29.21	1.81
6286.0	0.1	100.	0.1	1.0	32.7	29.21	1.81
6287.0	0.1	100.	0.1	1.0	37.6	29.21	1.81
6288.0	0.1	100.	0.1	1.0	40.6	29.21	1.81
6297.0	0.1	100.	0.5	1.0	43.7	29.22	1.81
6298.0	0.1	100.	0.8	1.0	38.3	29.23	1.81
6299.0	0.1	100.	1.5	1.0	31.9	29.24	1.81
6300.0	0.1	100.	1.5	1.0	27.8	29.26	1.81
6301.0	0.1	100.	1.1	1.0	27.3	29.27	1.81
6302.0	0.1	100.	0.1	1.0	29.6	29.28	1.81
6303.0	0.1	100.	0.1	1.0	39.1	29.28	1.81
6314.0	0.1	100.	0.5	1.0	39.0	29.28	1.81

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6315.0	0.1	100.	0.1	1.0	42.8	29.28	1.81
6316.0	0.1	100.	0.0	1.0	46.3	29.28	1.81
6320.0	0.1	100.	1.4	1.0	42.5	29.30	1.81
6321.0	0.1	100.	1.4	1.0	31.2	29.31	1.81
6322.0	0.1	100.	0.2	1.0	45.3	29.32	1.81
6336.0	0.1	100.	0.2	1.0	35.5	29.32	1.81
6339.0	0.1	100.	0.1	1.0	40.9	29.32	1.81
6341.0	0.1	100.	0.1	1.0	38.8	29.33	1.81
6342.0	0.1	100.	0.1	1.0	36.3	29.33	1.81
6345.0	0.1	100.	0.4	1.0	31.7	29.33	1.81
6346.0	0.1	100.	0.1	1.0	34.1	29.33	1.81
6352.0	0.1	100.	0.1	1.0	30.5	29.34	1.81
6353.0	0.1	100.	0.6	1.0	25.9	29.34	1.81
6354.0	0.1	100.	1.4	1.0	26.5	29.35	1.81
6355.0	0.1	100.	1.0	1.0	38.2	29.37	1.81
6362.0	0.1	100.	0.5	1.0	29.7	29.37	1.81
6363.0	0.1	100.	0.5	1.0	18.2	29.38	1.81
6364.0	0.1	100.	0.8	1.0	15.3	29.39	1.81
6365.0	0.1	100.	0.0	1.0	28.8	29.39	1.81
6378.0	0.1	100.	0.1	1.0	40.1	29.39	1.81
6379.0	0.1	100.	0.1	1.0	29.4	29.39	1.81
6380.0	0.1	100.	0.6	1.0	16.5	29.40	1.81
6381.0	0.1	100.	1.0	1.0	17.1	29.41	1.81
6382.0	0.1	100.	0.4	1.0	19.8	29.41	1.81
6383.0	0.1	100.	0.1	1.0	29.8	29.41	1.81
6398.0	0.1	100.	0.0	1.0	48.6	29.42	1.81
6399.0	0.1	100.	0.0	1.0	30.3	29.42	1.81
6400.0	0.1	100.	0.0	1.0	35.1	29.42	1.81
6406.0	0.1	100.	0.5	1.0	39.6	29.42	1.81
6407.0	0.1	100.	1.2	1.0	16.4	29.43	1.81
6408.0	0.1	100.	0.5	1.0	23.3	29.44	1.81
6409.0	0.1	100.	0.5	1.0	42.6	29.44	1.81
6410.0	0.1	100.	0.4	1.0	36.3	29.45	1.81
6411.0	0.1	100.	0.1	1.0	26.2	29.45	1.81
6412.0	0.1	100.	0.1	1.0	41.7	29.45	1.81
6417.0	0.1	100.	0.7	1.0	48.0	29.46	1.81
6420.0	0.1	100.	0.9	1.0	39.3	29.47	1.81
6421.0	0.1	100.	0.6	1.0	26.0	29.47	1.81
6422.0	0.1	100.	1.2	1.0	24.6	29.48	1.81

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6423.0	0.1	100.	0.9	1.0	24.0	29.50	1.81
6424.0	0.1	100.	0.1	1.0	29.4	29.50	1.81
6425.0	0.1	100.	0.1	1.0	40.5	29.50	1.81
6430.0	0.1	100.	0.1	1.0	43.9	29.50	1.81
6431.0	0.1	100.	0.1	1.0	29.5	29.50	1.81
6432.0	0.1	100.	0.1	1.0	29.6	29.50	1.81
6433.0	0.1	100.	0.1	1.0	49.6	29.50	1.81
6454.0	0.1	100.	0.0	1.0	42.1	29.50	1.81
6455.0	0.1	100.	0.7	1.0	26.6	29.51	1.81
6456.0	0.1	100.	2.4	1.0	13.6	29.53	1.81
6457.0	0.1	100.	2.5	1.0	9.9	29.55	1.81
6458.0	0.1	100.	2.3	1.0	5.9	29.58	1.81
6459.0	0.1	100.	1.7	1.0	5.3	29.60	1.81
6460.0	0.1	100.	1.1	1.0	3.8	29.61	1.81
6461.0	0.1	100.	0.0	1.0	3.8	29.61	1.81
6462.0	0.1	100.	0.0	1.0	33.9	29.61	1.81
6463.0	0.1	100.	0.0	1.0	40.3	29.61	1.81
6473.0	0.1	100.	3.3	1.0	11.8	29.65	1.81
6474.0	0.1	78.	2.9	1.0	0.2	29.68	1.81
6475.0	0.1	91.	2.6	1.0	0.3	29.71	1.82
6476.0	0.1	100.	1.8	1.0	2.7	29.73	1.82
6477.0	0.1	100.	0.6	1.0	22.1	29.74	1.82
6478.0	0.1	100.	0.3	1.0	42.6	29.74	1.82
6484.0	0.1	100.	0.1	1.0	33.5	29.75	1.82
6485.0	0.1	100.	0.1	1.0	17.0	29.76	1.82
6486.0	0.1	100.	0.1	1.0	11.1	29.76	1.82
6487.0	0.1	100.	0.1	1.0	14.5	29.76	1.82
6488.0	0.1	100.	0.0	1.0	36.5	29.76	1.82
6497.0	0.1	100.	0.1	1.0	42.2	29.76	1.82
6498.0	0.1	100.	0.1	1.0	41.3	29.76	1.82
6499.0	0.1	100.	0.1	1.0	47.7	29.77	1.82
6502.0	0.1	100.	0.1	1.0	49.2	29.77	1.82
6503.0	0.1	100.	0.2	1.0	43.0	29.77	1.82
6504.0	0.1	100.	1.0	1.0	48.0	29.78	1.82
6508.0	0.1	100.	0.2	1.0	48.1	29.79	1.82
6509.0	0.1	100.	0.1	1.0	34.8	29.79	1.82
6510.0	0.1	100.	0.1	1.0	18.7	29.79	1.82
6511.0	0.1	100.	0.1	1.0	11.7	29.79	1.82
6512.0	0.1	100.	0.1	1.0	31.5	29.79	1.82
6515.0	0.1	100.	0.8	1.0	39.9	29.80	1.82
6516.0	0.1	100.	0.1	1.0	35.9	29.80	1.82
6517.0	0.1	100.	0.1	1.0	27.3	29.80	1.82

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6518.0	0.1	100.	0.1	1.0	30.3	29.81	1.82
6519.0	0.1	100.	0.1	1.0	34.0	29.81	1.82
6520.0	0.1	100.	0.6	1.0	44.8	29.81	1.82
6524.0	0.1	100.	2.2	1.0	45.4	29.83	1.82
6525.0	0.1	100.	1.2	1.0	32.6	29.85	1.82
6526.0	0.1	100.	1.4	1.0	16.4	29.86	1.82
6527.0	0.1	100.	1.6	1.0	8.8	29.88	1.82
6528.0	0.1	100.	1.1	1.0	7.9	29.89	1.82
6529.0	0.1	100.	0.3	1.0	27.9	29.90	1.82
6530.0	0.1	100.	0.9	1.0	17.9	29.90	1.82
6531.0	0.1	100.	2.9	1.0	4.3	29.93	1.82
6532.0	0.1	100.	2.5	1.0	9.0	29.95	1.82
6533.0	0.1	100.	1.4	1.0	23.0	29.97	1.82
6534.0	0.1	100.	0.5	1.0	27.1	29.98	1.82
6535.0	0.1	100.	0.1	1.0	34.2	29.98	1.82
6536.0	0.1	100.	0.6	1.0	34.9	29.98	1.82
6537.0	0.1	100.	1.3	1.0	37.6	29.99	1.82
6538.0	0.1	100.	2.0	1.0	27.0	30.01	1.82
6539.0	0.1	100.	1.6	1.0	23.5	30.03	1.82
6540.0	0.1	100.	0.6	1.0	29.7	30.04	1.82
6541.0	0.1	100.	0.2	1.0	43.2	30.04	1.82
6542.0	0.1	100.	0.5	1.0	45.5	30.04	1.82
6553.0	0.1	100.	1.7	1.0	41.7	30.08	1.82
6554.0	0.1	100.	3.6	1.0	8.5	30.11	1.82
6555.0	0.1	85.	5.4	1.0	5.6	30.17	1.82
6556.0	0.1	100.	4.1	1.0	8.1	30.21	1.82
6557.0	0.1	100.	2.7	1.0	11.1	30.24	1.82
6558.0	0.1	100.	0.9	1.0	10.1	30.25	1.82
6559.0	0.1	100.	2.8	1.0	8.6	30.28	1.82
6560.0	0.1	100.	1.8	1.0	12.8	30.30	1.82
6561.0	0.1	100.	1.1	1.0	19.6	30.32	1.82
6567.0	0.1	100.	1.1	1.0	16.1	30.33	1.82
6568.0	0.1	100.	0.1	1.0	7.4	30.34	1.82
6569.0	0.1	100.	0.1	1.0	9.2	30.34	1.82
6570.0	0.1	100.	0.9	1.0	11.1	30.34	1.82
6571.0	0.1	100.	1.1	1.0	19.6	30.35	1.82
6578.0	0.1	100.	0.3	1.0	45.4	30.37	1.82
6583.0	0.1	100.	0.1	1.0	35.9	30.38	1.82
6584.0	0.1	100.	0.1	1.0	30.3	30.38	1.82
6585.0	0.1	100.	1.2	1.0	25.1	30.39	1.82
6586.0	0.1	100.	1.8	1.0	13.5	30.40	1.82
6587.0	0.1	100.	1.3	1.0	10.4	30.42	1.82
6588.0	0.1	100.	1.8	1.0	12.9	30.43	1.82
6589.0	0.1	100.	1.8	1.0	12.0	30.45	1.82
6590.0	0.1	100.	0.1	1.0	15.2	30.46	1.82

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6591.0	0.1	100.	0.1	1.0	27.5	30.46	1.82
6599.0	0.1	100.	2.1	1.0	37.9	30.50	1.82
6600.0	0.1	100.	2.5	1.0	6.8	30.53	1.82
6601.0	0.1	100.	2.1	1.0	5.2	30.55	1.82
6602.0	0.1	100.	1.3	1.0	28.3	30.56	1.82
6604.0	0.1	100.	0.8	1.0	33.7	30.57	1.82
6605.0	0.1	100.	1.7	1.0	27.0	30.59	1.82
6606.0	0.1	100.	1.1	1.0	21.9	30.60	1.82
6607.0	0.1	100.	1.7	1.0	4.0	30.61	1.82
6608.0	0.1	100.	3.1	1.0	0.3	30.64	1.82
6609.0	0.1	100.	1.8	1.0	0.1	30.66	1.82
6610.0	0.1	100.	0.7	1.0	14.3	30.67	1.82
6612.0	0.1	100.	0.7	1.0	46.1	30.68	1.82
6613.0	0.1	100.	0.7	1.0	43.9	30.69	1.82
6614.0	0.1	100.	0.1	1.0	48.6	30.69	1.82
6615.0	0.1	100.	0.1	1.0	36.8	30.69	1.82
6616.0	0.1	100.	0.1	1.0	20.6	30.69	1.82
6617.0	0.1	100.	0.1	1.0	12.7	30.69	1.82
6618.0	0.1	100.	0.2	1.0	25.8	30.70	1.82
6625.0	0.1	100.	0.1	1.0	38.4	30.70	1.82
6627.0	0.1	100.	0.1	1.0	25.7	30.70	1.82
6628.0	0.1	100.	0.1	1.0	18.9	30.70	1.82
6629.0	0.1	100.	0.1	1.0	16.0	30.70	1.82
6630.0	0.1	100.	0.8	1.0	14.2	30.71	1.82
6631.0	0.1	100.	1.2	1.0	7.4	30.72	1.82
6632.0	0.1	100.	0.5	1.0	6.0	30.73	1.82
6633.0	0.1	100.	0.8	1.0	4.4	30.73	1.82
6634.0	0.1	100.	2.0	1.0	3.5	30.75	1.82
6635.0	0.1	99.	3.9	1.0	7.0	30.78	1.82
6636.0	0.1	87.	5.5	1.0	10.0	30.83	1.83
6637.0	0.1	95.	6.0	1.0	6.9	30.89	1.83
6638.0	0.3	92.	7.1	1.0	3.8	30.96	1.84
6639.0	0.5	96.	8.1	1.0	2.1	31.04	1.84
6640.0	0.8	91.	9.0	1.0	1.3	31.13	1.85
6641.0	0.8	96.	8.7	1.0	1.6	31.22	1.85
6642.0	0.5	100.	7.9	1.0	2.2	31.30	1.85
6643.0	0.3	100.	7.0	1.0	3.2	31.37	1.85
6644.0	0.2	100.	6.5	1.0	4.7	31.43	1.85
6645.0	1.0	97.	9.3	1.0	1.0	31.52	1.85
6646.0	1.3	96.	9.9	1.0	0.9	31.62	1.86
6647.0	1.1	100.	9.4	1.0	0.8	31.72	1.86
6648.0	0.4	100.	7.5	1.0	1.4	31.79	1.86
6649.0	0.1	100.	5.5	1.0	2.3	31.86	1.86
6650.0	0.1	100.	2.1	1.0	6.5	31.89	1.86
6651.0	0.1	100.	0.4	1.0	30.4	31.89	1.86
6652.0	0.1	100.	0.1	1.0	31.6	31.90	1.86

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6653.0	0.1	100.	0.2	1.0	36.1	31.90	1.86
6654.0	0.1	100.	0.8	1.0	22.6	31.90	1.86
6655.0	0.1	100.	0.6	1.0	15.1	31.91	1.86
6656.0	0.1	100.	1.6	1.0	22.6	31.92	1.86
6657.0	0.1	100.	0.8	1.0	40.9	31.93	1.86
6658.0	0.1	100.	1.6	1.0	21.0	31.94	1.86
6659.0	0.1	100.	1.1	1.0	20.1	31.96	1.86
6660.0	0.1	100.	0.4	1.0	29.9	31.96	1.86
6661.0	0.1	100.	0.1	1.0	31.3	31.96	1.86
6662.0	0.1	100.	0.3	1.0	41.4	31.97	1.86
6664.0	0.1	100.	1.3	1.0	42.6	31.98	1.86
6665.0	0.1	100.	2.7	1.0	25.4	32.01	1.86
6666.0	0.1	100.	1.3	1.0	18.9	32.02	1.86
6667.0	0.1	100.	0.8	1.0	18.7	32.03	1.86
6668.0	0.1	100.	0.4	1.0	19.5	32.04	1.86
6669.0	0.1	100.	0.1	1.0	16.6	32.04	1.86
6670.0	0.1	100.	0.2	1.0	13.5	32.04	1.86
6671.0	0.1	100.	0.9	1.0	12.0	32.05	1.86
6672.0	0.1	100.	1.2	1.0	15.7	32.06	1.86
6673.0	0.1	100.	1.2	1.0	16.5	32.07	1.86
6674.0	0.1	100.	2.4	1.0	9.3	32.09	1.86
6675.0	0.1	81.	5.3	1.0	2.5	32.14	1.87
6676.0	0.3	63.	7.1	0.8	0.3	32.20	1.89
6677.0	0.3	57.	7.8	0.6	0.4	32.28	1.92
6678.0	0.6	56.	8.0	0.5	0.5	32.36	1.95
6679.0	0.3	61.	7.0	0.6	0.3	32.43	1.98
6680.0	0.1	70.	5.8	0.7	0.3	32.49	2.00
6681.0	0.1	76.	5.4	1.0	0.5	32.55	2.02
6682.0	0.1	100.	3.2	1.0	10.6	32.59	2.02
6683.0	0.1	100.	0.5	1.0	46.1	32.60	2.02
6694.0	0.1	100.	0.7	1.0	23.6	32.61	2.02
6695.0	0.1	100.	0.5	1.0	15.1	32.61	2.02
6696.0	0.1	100.	0.7	1.0	17.7	32.62	2.02
6697.0	0.1	100.	0.4	1.0	22.0	32.63	2.02
6698.0	0.1	100.	0.1	1.0	44.1	32.63	2.02
6701.0	0.1	100.	1.4	1.0	24.2	32.64	2.02
6702.0	0.1	100.	0.9	1.0	11.7	32.65	2.02
6703.0	0.1	100.	0.1	1.0	16.3	32.65	2.02
6704.0	0.1	100.	0.1	1.0	17.0	32.65	2.02
6705.0	0.1	100.	0.1	1.0	18.1	32.65	2.02
6706.0	0.1	100.	0.1	1.0	21.8	32.65	2.02
6707.0	0.1	100.	0.1	1.0	28.5	32.66	2.02
6708.0	0.1	100.	0.3	1.0	43.4	32.66	2.02
6709.0	0.1	100.	0.1	1.0	48.7	32.66	2.02
6710.0	0.1	100.	0.1	1.0	46.5	32.66	2.02
6711.0	0.1	100.	0.1	1.0	43.3	32.66	2.02
6712.0	0.1	100.	0.1	1.0	22.7	32.66	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6713.0	0.1	100.	0.1	1.0	5.3	32.66	2.02
6714.0	0.1	100.	0.1	1.0	4.1	32.66	2.02
6715.0	0.1	100.	0.1	1.0	15.4	32.66	2.02
6716.0	0.1	100.	0.2	1.0	38.3	32.67	2.02
6717.0	0.1	100.	0.1	1.0	45.0	32.67	2.02
6718.0	0.1	100.	0.1	1.0	26.4	32.67	2.02
6719.0	0.1	100.	0.3	1.0	17.1	32.67	2.02
6720.0	0.1	100.	0.5	1.0	18.8	32.67	2.02
6721.0	0.1	100.	0.2	1.0	37.0	32.68	2.02
6732.0	0.1	100.	0.1	1.0	48.6	32.68	2.02
6733.0	0.1	100.	0.1	1.0	45.2	32.68	2.02
6737.0	0.1	100.	0.1	1.0	48.7	32.69	2.02
6738.0	0.1	100.	0.1	1.0	24.4	32.69	2.02
6739.0	0.1	100.	0.1	1.0	23.0	32.69	2.02
6740.0	0.1	100.	0.1	1.0	31.9	32.69	2.02
6751.0	0.1	100.	0.1	1.0	36.9	32.69	2.02
6752.0	0.1	100.	0.1	1.0	13.4	32.69	2.02
6753.0	0.1	100.	0.1	1.0	14.7	32.69	2.02
6754.0	0.1	100.	0.1	1.0	23.1	32.70	2.02
6763.0	0.1	100.	1.5	1.0	38.9	32.72	2.02
6764.0	0.1	100.	1.4	1.0	29.0	32.73	2.02
6765.0	0.1	100.	1.1	1.0	21.5	32.74	2.02
6766.0	0.1	100.	1.0	1.0	18.6	32.76	2.02
6767.0	0.1	100.	0.6	1.0	17.4	32.76	2.02
6768.0	0.1	100.	0.1	1.0	14.0	32.76	2.02
6769.0	0.1	100.	0.1	1.0	5.5	32.76	2.02
6770.0	0.1	100.	0.1	1.0	5.9	32.77	2.02
6771.0	0.1	100.	0.1	1.0	20.9	32.77	2.02
6772.0	0.1	100.	0.1	1.0	36.9	32.77	2.02
6773.0	0.1	100.	0.1	1.0	13.8	32.77	2.02
6774.0	0.1	100.	0.1	1.0	7.4	32.77	2.02
6775.0	0.1	100.	0.1	1.0	6.6	32.77	2.02
6776.0	0.1	100.	0.2	1.0	6.4	32.77	2.02
6777.0	0.1	100.	0.1	1.0	44.8	32.77	2.02
6779.0	0.1	100.	0.1	1.0	44.0	32.77	2.02
6780.0	0.1	100.	0.1	1.0	49.9	32.77	2.02
6784.0	0.1	100.	0.1	1.0	38.2	32.78	2.02
6785.0	0.1	100.	0.6	1.0	31.6	32.78	2.02
6791.0	0.1	100.	0.8	1.0	45.7	32.80	2.02
6792.0	0.1	100.	0.1	1.0	41.8	32.80	2.02
6793.0	0.1	100.	0.1	1.0	43.3	32.80	2.02
6799.0	0.1	100.	0.1	1.0	44.1	32.81	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6800.0	0.1	100.	0.1	1.0	32.3	32.81	2.02
6801.0	0.1	100.	0.1	1.0	45.3	32.82	2.02
6804.0	0.1	100.	0.8	1.0	39.9	32.82	2.02
6805.0	0.1	100.	1.1	1.0	24.2	32.83	2.02
6806.0	0.1	100.	1.5	1.0	20.8	32.85	2.02
6807.0	0.1	100.	0.1	1.0	23.8	32.85	2.02
6808.0	0.1	100.	0.1	1.0	34.6	32.85	2.02
6809.0	0.1	100.	0.1	1.0	25.6	32.86	2.02
6810.0	0.1	100.	0.7	1.0	21.2	32.86	2.02
6811.0	0.1	100.	1.2	1.0	17.1	32.87	2.02
6812.0	0.1	100.	1.2	1.0	13.8	32.88	2.02
6813.0	0.1	100.	0.4	1.0	16.4	32.89	2.02
6814.0	0.1	100.	0.1	1.0	46.7	32.89	2.02
6821.0	0.1	100.	1.5	1.0	30.4	32.91	2.02
6822.0	0.1	100.	0.4	1.0	7.3	32.92	2.02
6823.0	0.1	100.	1.6	1.0	3.5	32.94	2.02
6824.0	0.1	100.	0.1	1.0	6.8	32.94	2.02
6825.0	0.1	100.	1.5	1.0	16.5	32.95	2.02
6826.0	0.1	100.	1.6	1.0	26.9	32.97	2.02
6827.0	0.1	100.	1.1	1.0	29.7	32.98	2.02
6828.0	0.1	100.	0.4	1.0	33.2	32.99	2.02
6829.0	0.1	100.	0.0	1.0	25.6	32.99	2.02
6830.0	0.1	100.	0.0	1.0	27.2	32.99	2.02
6837.0	0.1	100.	0.8	1.0	41.9	33.03	2.02
6838.0	0.1	100.	1.1	1.0	24.4	33.04	2.02
6839.0	0.1	100.	0.4	1.0	27.3	33.05	2.02
6840.0	0.1	100.	0.2	1.0	41.5	33.05	2.02
6841.0	0.1	100.	0.1	1.0	41.0	33.05	2.02
6842.0	0.1	100.	0.6	1.0	39.1	33.06	2.02
6843.0	0.1	100.	0.1	1.0	39.9	33.06	2.02
6844.0	0.1	100.	0.1	1.0	37.1	33.06	2.02
6845.0	0.1	100.	0.1	1.0	31.8	33.06	2.02
6846.0	0.1	100.	0.1	1.0	31.5	33.06	2.02
6847.0	0.1	100.	0.5	1.0	18.2	33.07	2.02
6848.0	0.1	100.	1.7	1.0	18.2	33.08	2.02
6856.0	0.1	100.	0.1	1.0	35.2	33.10	2.02
6857.0	0.1	100.	0.1	1.0	31.0	33.10	2.02
6858.0	0.1	100.	0.1	1.0	25.0	33.10	2.02
6859.0	0.1	100.	0.1	1.0	33.4	33.10	2.02
6860.0	0.1	100.	0.1	1.0	40.0	33.10	2.02
6861.0	0.1	100.	1.3	1.0	28.8	33.11	2.02
6862.0	0.1	100.	1.8	1.0	10.8	33.13	2.02
6863.0	0.1	100.	1.2	1.0	8.6	33.14	2.02
6864.0	0.1	100.	2.1	1.0	11.3	33.16	2.02
6865.0	0.1	100.	1.1	1.0	32.3	33.17	2.02
6866.0	0.1	100.	0.1	1.0	45.4	33.18	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6867.0	0.1	100.	0.1	1.0	30.6	33.18	2.02
6868.0	0.1	100.	0.1	1.0	27.7	33.18	2.02
6869.0	0.1	100.	0.1	1.0	18.6	33.18	2.02
6870.0	0.1	100.	0.1	1.0	13.3	33.18	2.02
6871.0	0.1	100.	0.5	1.0	10.5	33.18	2.02
6872.0	0.1	100.	1.0	1.0	12.5	33.19	2.02
6873.0	0.1	100.	1.1	1.0	18.9	33.20	2.02
6874.0	0.1	100.	0.2	1.0	35.7	33.21	2.02
6875.0	0.1	100.	0.1	1.0	24.6	33.21	2.02
6876.0	0.1	100.	1.3	1.0	11.7	33.22	2.02
6877.0	0.1	100.	2.3	1.0	8.6	33.24	2.02
6878.0	0.1	100.	1.0	1.0	24.6	33.26	2.02
6895.0	0.1	100.	0.1	1.0	49.9	33.27	2.02
6896.0	0.1	100.	0.1	1.0	42.6	33.27	2.02
6897.0	0.1	100.	0.1	1.0	42.4	33.27	2.02
6898.0	0.1	100.	0.2	1.0	49.5	33.27	2.02
6899.0	0.1	100.	0.1	1.0	48.9	33.28	2.02
6900.0	0.1	100.	0.4	1.0	37.2	33.28	2.02
6901.0	0.1	100.	0.8	1.0	36.6	33.29	2.02
6902.0	0.1	100.	0.4	1.0	38.5	33.29	2.02
6903.0	0.1	100.	0.1	1.0	34.1	33.29	2.02
6904.0	0.1	100.	0.5	1.0	33.9	33.29	2.02
6905.0	0.1	100.	0.5	1.0	26.6	33.30	2.02
6906.0	0.1	100.	0.4	1.0	21.6	33.30	2.02
6907.0	0.1	100.	0.1	1.0	27.8	33.31	2.02
6908.0	0.1	100.	0.1	1.0	40.6	33.31	2.02
6918.0	0.1	100.	0.4	1.0	39.4	33.31	2.02
6919.0	0.1	100.	1.1	1.0	25.5	33.32	2.02
6920.0	0.1	100.	1.8	1.0	16.2	33.34	2.02
6921.0	0.1	100.	0.5	1.0	12.2	33.35	2.02
6922.0	0.1	100.	0.1	1.0	18.1	33.35	2.02
6923.0	0.1	100.	0.1	1.0	12.1	33.35	2.02
6924.0	0.1	100.	0.1	1.0	6.9	33.35	2.02
6925.0	0.1	100.	0.1	1.0	9.6	33.35	2.02
6926.0	0.1	100.	0.1	1.0	11.8	33.35	2.02
6927.0	0.1	100.	0.1	1.0	20.2	33.35	2.02
6928.0	0.1	100.	0.4	1.0	35.6	33.36	2.02
6929.0	0.1	100.	0.1	1.0	48.1	33.36	2.02
6934.0	0.1	100.	0.4	1.0	49.1	33.38	2.02
6937.0	0.1	100.	1.0	1.0	46.1	33.40	2.02
6938.0	0.1	100.	0.5	1.0	44.3	33.40	2.02
6939.0	0.1	100.	0.7	1.0	36.5	33.41	2.02
6940.0	0.1	100.	1.7	1.0	24.7	33.42	2.02
6941.0	0.1	100.	2.0	1.0	18.4	33.44	2.02
6942.0	0.1	100.	1.3	1.0	18.8	33.46	2.02
6943.0	0.1	100.	0.3	1.0	20.1	33.46	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
6944.0	0.1	100.	1.1	1.0	15.1	33.47	2.02
6945.0	0.1	100.	2.2	1.0	12.5	33.49	2.02
6946.0	0.1	100.	1.2	1.0	23.4	33.51	2.02
6947.0	0.1	100.	0.4	1.0	35.0	33.51	2.02
6948.0	0.1	100.	0.3	1.0	37.5	33.51	2.02
6949.0	0.1	100.	0.4	1.0	42.0	33.52	2.02
6950.0	0.1	100.	0.2	1.0	47.7	33.52	2.02
6955.0	0.1	100.	0.7	1.0	44.1	33.54	2.02
6956.0	0.1	100.	2.1	1.0	23.1	33.56	2.02
6957.0	0.1	100.	1.6	1.0	14.7	33.57	2.02
6958.0	0.1	100.	1.0	1.0	31.0	33.58	2.02
6961.0	0.1	100.	0.1	1.0	44.3	33.60	2.02
6962.0	0.1	100.	0.1	1.0	43.3	33.60	2.02
6963.0	0.1	100.	0.3	1.0	40.4	33.60	2.02
6964.0	0.1	100.	0.7	1.0	20.4	33.61	2.02
6965.0	0.1	100.	1.1	1.0	13.5	33.62	2.02
6966.0	0.1	100.	0.6	1.0	16.9	33.63	2.02
6967.0	0.1	100.	0.2	1.0	20.7	33.63	2.02
6968.0	0.1	100.	0.4	1.0	35.0	33.63	2.02
6969.0	0.1	100.	0.6	1.0	40.1	33.64	2.02
6970.0	0.1	100.	0.1	1.0	47.0	33.64	2.02
6971.0	0.1	100.	0.3	1.0	39.3	33.64	2.02
6972.0	0.1	100.	1.3	1.0	3.7	33.65	2.02
6973.0	0.1	100.	1.3	1.0	0.7	33.67	2.02
6974.0	0.1	100.	0.5	1.0	3.1	33.68	2.02
6975.0	0.1	100.	0.1	1.0	9.5	33.68	2.02
6976.0	0.1	100.	0.1	1.0	34.0	33.68	2.02
6977.0	0.1	100.	0.4	1.0	48.5	33.68	2.02
6978.0	0.1	100.	1.0	1.0	36.7	33.69	2.02
6979.0	0.1	100.	0.9	1.0	33.7	33.70	2.02
6980.0	0.1	100.	2.0	1.0	33.6	33.72	2.02
6981.0	0.1	100.	1.0	1.0	32.3	33.73	2.02
6982.0	0.1	100.	0.2	1.0	24.8	33.74	2.02
6983.0	0.1	100.	0.1	1.0	22.3	33.74	2.02
6984.0	0.1	100.	1.1	1.0	19.8	33.74	2.02
6985.0	0.1	100.	1.4	1.0	15.8	33.76	2.02
6986.0	0.1	100.	1.0	1.0	15.9	33.77	2.02
6987.0	0.1	100.	0.1	1.0	28.3	33.77	2.02
6993.0	0.1	100.	1.8	1.0	28.1	33.80	2.02
6994.0	0.1	100.	1.6	1.0	13.2	33.82	2.02
6995.0	0.1	100.	0.1	1.0	14.3	33.82	2.02
6996.0	0.1	100.	0.1	1.0	16.4	33.82	2.02
6997.0	0.1	100.	0.1	1.0	12.6	33.82	2.02
6998.0	0.1	100.	0.1	1.0	23.7	33.82	2.02
6999.0	0.1	100.	0.1	1.0	24.1	33.82	2.02
7000.0	0.1	100.	0.6	1.0	15.6	33.82	2.02
7001.0	0.1	100.	0.9	1.0	18.1	33.83	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM, PERM, MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM, CUM, FEET
7002.0	0.1	100.	0.4	1.0	30.5	33.84	2.02
7003.0	0.1	100.	0.1	1.0	46.7	33.84	2.02
7004.0	0.1	100.	0.9	1.0	31.6	33.85	2.02
7005.0	0.1	100.	1.2	1.0	18.4	33.86	2.02
7006.0	0.1	100.	1.6	1.0	15.7	33.87	2.02
7007.0	0.1	100.	0.1	1.0	15.8	33.88	2.02
7008.0	0.1	100.	0.1	1.0	17.0	33.88	2.02
7009.0	0.1	100.	0.1	1.0	16.7	33.88	2.02
7010.0	0.1	100.	0.7	1.0	20.4	33.88	2.02
7011.0	0.1	100.	1.7	1.0	29.9	33.90	2.02
7012.0	0.1	100.	3.5	1.0	27.0	33.93	2.02
7013.0	0.1	100.	2.7	1.0	15.9	33.96	2.02
7014.0	0.1	100.	1.7	1.0	8.4	33.98	2.02
7015.0	0.1	100.	1.3	1.0	6.6	33.99	2.02
7016.0	0.1	100.	0.3	1.0	27.2	34.00	2.02
7018.0	0.1	100.	0.1	1.0	44.7	34.00	2.02
7019.0	0.1	100.	0.7	1.0	36.1	34.00	2.02
7024.0	0.1	100.	0.7	1.0	44.8	34.02	2.02
7025.0	0.1	100.	1.2	1.0	26.6	34.03	2.02
7026.0	0.1	100.	1.1	1.0	21.0	34.04	2.02
7027.0	0.1	100.	0.4	1.0	33.5	34.04	2.02
7029.0	0.1	100.	1.3	1.0	49.3	34.07	2.02
7030.0	0.1	100.	0.6	1.0	36.5	34.08	2.02
7031.0	0.1	100.	0.1	1.0	37.1	34.08	2.02
7032.0	0.1	100.	0.4	1.0	37.2	34.08	2.02
7033.0	0.1	100.	0.5	1.0	38.8	34.09	2.02
7034.0	0.1	100.	0.6	1.0	35.2	34.09	2.02
7035.0	0.1	100.	0.5	1.0	20.0	34.10	2.02
7036.0	0.1	100.	0.0	1.0	4.9	34.10	2.02
7037.0	0.1	100.	0.0	1.0	38.5	34.10	2.02
7043.0	0.1	100.	1.4	1.0	44.5	34.11	2.02
7044.0	0.1	100.	1.1	1.0	34.9	34.12	2.02
7045.0	0.1	100.	1.0	1.0	38.9	34.13	2.02
7046.0	0.1	100.	1.1	1.0	36.5	34.14	2.02
7047.0	0.1	100.	0.3	1.0	33.8	34.15	2.02
7048.0	0.1	100.	0.1	1.0	34.2	34.15	2.02
7049.0	0.1	100.	0.1	1.0	48.4	34.15	2.02
7051.0	0.1	100.	0.0	1.0	40.4	34.15	2.02
7052.0	0.1	100.	0.0	1.0	12.5	34.15	2.02
7053.0	0.1	100.	0.0	1.0	1.2	34.15	2.02
7054.0	0.1	100.	0.0	1.0	29.2	34.15	2.02
7057.0	0.1	100.	3.3	1.0	23.0	34.19	2.02
7058.0	0.1	100.	4.4	1.0	11.3	34.24	2.02
7059.0	0.1	100.	3.1	1.0	9.1	34.27	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7060.0	0.1	100.	1.9	1.0	11.0	34.29	2.02
7061.0	0.1	100.	1.3	1.0	19.9	34.30	2.02
7062.0	0.1	100.	1.6	1.0	18.6	34.32	2.02
7063.0	0.1	100.	0.7	1.0	22.4	34.33	2.02
7064.0	0.1	100.	0.5	1.0	26.5	34.33	2.02
7065.0	0.1	100.	0.7	1.0	28.7	34.34	2.02
7066.0	0.1	100.	0.4	1.0	36.3	34.35	2.02
7074.0	0.1	100.	2.4	1.0	32.8	34.37	2.02
7075.0	0.1	100.	1.5	1.0	23.9	34.39	2.02
7076.0	0.1	100.	0.1	1.0	23.1	34.39	2.02
7077.0	0.1	100.	0.1	1.0	18.6	34.39	2.02
7078.0	0.1	100.	0.1	1.0	7.7	34.39	2.02
7079.0	0.1	100.	0.2	1.0	6.5	34.39	2.02
7080.0	0.1	100.	0.4	1.0	7.4	34.40	2.02
7081.0	0.1	100.	0.8	1.0	9.7	34.41	2.02
7082.0	0.1	100.	0.0	1.0	28.2	34.41	2.02
7085.0	0.1	100.	0.4	1.0	34.8	34.41	2.02
7086.0	0.1	100.	0.2	1.0	22.8	34.41	2.02
7087.0	0.1	100.	0.1	1.0	19.3	34.41	2.02
7088.0	0.1	100.	0.7	1.0	32.1	34.42	2.02
7089.0	0.1	100.	0.4	1.0	38.2	34.42	2.02
7090.0	0.1	100.	0.8	1.0	44.9	34.43	2.02
7092.0	0.1	100.	0.1	1.0	38.8	34.44	2.02
7093.0	0.1	100.	0.1	1.0	24.9	34.44	2.02
7094.0	0.1	100.	0.1	1.0	17.4	34.44	2.02
7095.0	0.1	100.	0.1	1.0	22.4	34.44	2.02
7096.0	0.1	100.	0.1	1.0	49.4	34.44	2.02
7104.0	0.1	100.	0.3	1.0	39.3	34.45	2.02
7105.0	0.1	100.	0.8	1.0	20.5	34.45	2.02
7106.0	0.1	100.	1.4	1.0	14.8	34.46	2.02
7107.0	0.1	100.	0.3	1.0	29.4	34.47	2.02
7112.0	0.1	100.	0.1	1.0	47.3	34.47	2.02
7113.0	0.1	100.	0.3	1.0	43.8	34.47	2.02
7114.0	0.1	100.	0.2	1.0	23.9	34.48	2.02
7115.0	0.1	100.	0.1	1.0	29.4	34.48	2.02
7116.0	0.1	100.	1.3	1.0	28.2	34.49	2.02
7117.0	0.1	100.	1.3	1.0	28.0	34.50	2.02
7118.0	0.1	100.	1.8	1.0	24.6	34.52	2.02
7119.0	0.1	100.	1.8	1.0	25.2	34.54	2.02
7120.0	0.1	100.	0.7	1.0	29.6	34.55	2.02
7121.0	0.1	100.	1.2	1.0	33.9	34.56	2.02
7122.0	0.1	100.	2.8	1.0	45.2	34.58	2.02
7123.0	0.1	100.	1.7	1.0	49.1	34.60	2.02
7136.0	0.1	100.	1.4	1.0	19.9	34.68	2.02

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7137.0	0.1	92.	2.8	1.0	4.2	34.70	2.02
7138.0	0.1	98.	3.0	1.0	11.0	34.73	2.03
7141.0	0.1	100.	1.4	1.0	30.0	34.77	2.03
7142.0	0.1	100.	0.0	1.0	30.4	34.78	2.03
7143.0	0.1	100.	0.0	1.0	37.8	34.78	2.03
7149.0	0.1	100.	1.3	1.0	37.4	34.83	2.03
7150.0	0.1	100.	1.8	1.0	22.9	34.85	2.03
7151.0	0.1	100.	0.1	1.0	21.5	34.85	2.03
7152.0	0.1	100.	0.4	1.0	14.1	34.85	2.03
7153.0	0.1	100.	0.5	1.0	29.4	34.86	2.03
7156.0	0.1	100.	0.7	1.0	41.4	34.86	2.03
7157.0	0.1	100.	1.7	1.0	27.1	34.88	2.03
7158.0	0.1	100.	3.4	1.0	28.3	34.90	2.03
7159.0	0.1	100.	4.8	1.0	44.4	34.95	2.03
7161.0	0.1	100.	3.2	1.0	22.7	35.00	2.03
7162.0	0.1	100.	1.1	1.0	8.3	35.02	2.03
7163.0	0.1	100.	0.1	1.0	19.0	35.02	2.03
7164.0	0.1	100.	0.4	1.0	44.5	35.02	2.03
7166.0	0.1	100.	0.4	1.0	46.2	35.03	2.03
7167.0	0.1	100.	0.8	1.0	36.8	35.03	2.03
7168.0	0.1	100.	0.5	1.0	34.8	35.04	2.03
7169.0	0.1	100.	0.6	1.0	41.7	35.04	2.03
7172.0	0.1	100.	2.1	1.0	48.8	35.10	2.03
7174.0	0.1	100.	3.9	1.0	46.5	35.18	2.03
7175.0	0.1	97.	4.3	1.0	29.6	35.22	2.03
7176.0	0.1	100.	0.7	1.0	29.4	35.24	2.03
7177.0	0.1	100.	1.0	1.0	34.1	35.24	2.03
7178.0	0.1	100.	1.5	1.0	41.0	35.26	2.03
7182.0	0.1	100.	0.2	1.0	47.9	35.27	2.03
7183.0	0.1	100.	0.2	1.0	16.6	35.28	2.03
7184.0	0.1	100.	0.1	1.0	13.9	35.28	2.03
7185.0	0.1	100.	0.4	1.0	15.7	35.28	2.03
7186.0	0.1	100.	1.2	1.0	17.3	35.29	2.03
7187.0	0.1	100.	1.1	1.0	23.8	35.30	2.03
7192.0	0.1	100.	0.5	1.0	49.8	35.31	2.03
7193.0	0.1	100.	0.5	1.0	46.0	35.32	2.03
7194.0	0.1	100.	0.1	1.0	41.9	35.32	2.03
7195.0	0.1	100.	0.1	1.0	27.9	35.32	2.03
7196.0	0.1	100.	0.1	1.0	21.1	35.32	2.03
7197.0	0.1	100.	0.1	1.0	26.6	35.32	2.03
7198.0	0.1	100.	0.1	1.0	23.4	35.32	2.03

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7199.0	0.1	100.	0.1	1.0	29.2	35.32	2.03
7200.0	0.1	100.	0.1	1.0	39.6	35.32	2.03
7201.0	0.1	100.	0.1	1.0	43.9	35.33	2.03
7202.0	0.1	100.	0.2	1.0	46.1	35.33	2.03
7203.0	0.1	100.	0.6	1.0	32.0	35.33	2.03
7204.0	0.1	100.	0.1	1.0	32.0	35.33	2.03
7205.0	0.1	100.	0.7	1.0	34.2	35.34	2.03
7206.0	0.1	100.	0.1	1.0	45.0	35.34	2.03
7207.0	0.1	100.	0.4	1.0	34.8	35.34	2.03
7208.0	0.1	100.	0.4	1.0	26.0	35.35	2.03
7209.0	0.1	100.	0.9	1.0	23.7	35.35	2.03
7210.0	0.1	100.	0.6	1.0	21.4	35.36	2.03
7211.0	0.1	100.	0.8	1.0	17.8	35.37	2.03
7212.0	0.1	98.	3.0	1.0	8.9	35.39	2.03
7213.0	0.1	100.	0.4	1.0	9.0	35.40	2.03
7214.0	0.1	100.	1.5	1.0	12.5	35.41	2.03
7215.0	0.1	100.	2.6	1.0	15.7	35.44	2.03
7216.0	0.1	100.	2.2	1.0	17.5	35.46	2.03
7217.0	0.1	100.	1.5	1.0	15.4	35.48	2.03
7218.0	0.1	99.	2.8	1.0	9.4	35.50	2.03
7219.0	0.1	100.	3.1	1.0	17.0	35.54	2.03
7220.0	0.1	100.	2.0	1.0	20.3	35.56	2.03
7221.0	0.1	100.	2.5	1.0	11.7	35.58	2.03
7222.0	0.1	100.	1.4	1.0	8.8	35.60	2.03
7223.0	0.1	100.	0.1	1.0	11.5	35.60	2.03
7224.0	0.1	100.	0.1	1.0	18.5	35.60	2.03
7225.0	0.1	100.	0.1	1.0	18.2	35.60	2.03
7226.0	0.1	100.	0.1	1.0	23.5	35.60	2.03
7227.0	0.1	100.	0.1	1.0	30.1	35.60	2.03
7228.0	0.1	100.	0.1	1.0	18.3	35.61	2.03
7229.0	0.1	100.	0.1	1.0	18.6	35.61	2.03
7230.0	0.1	100.	0.1	1.0	22.7	35.61	2.03
7231.0	0.1	100.	0.1	1.0	26.0	35.61	2.03
7232.0	0.1	100.	0.1	1.0	28.4	35.61	2.03
7233.0	0.1	100.	0.1	1.0	29.9	35.61	2.03
7234.0	0.1	100.	0.1	1.0	22.8	35.61	2.03
7235.0	0.1	100.	0.1	1.0	22.4	35.61	2.03
7236.0	0.1	100.	1.0	1.0	20.3	35.62	2.03
7237.0	0.1	100.	0.7	1.0	40.1	35.63	2.03
7238.0	0.1	100.	0.1	1.0	46.1	35.63	2.03
7239.0	0.1	100.	0.1	1.0	44.7	35.63	2.03
7240.0	0.1	100.	0.8	1.0	37.8	35.64	2.03
7241.0	0.1	100.	1.6	1.0	27.0	35.65	2.03
7242.0	0.1	100.	1.1	1.0	29.4	35.66	2.03
7243.0	0.1	100.	0.9	1.0	38.4	35.67	2.03
7244.0	0.1	100.	1.4	1.0	36.8	35.69	2.03
7245.0	0.1	100.	1.2	1.0	34.9	35.70	2.03
7246.0	0.1	100.	0.5	1.0	32.9	35.70	2.03
7247.0	0.1	100.	0.0	1.0	36.0	35.70	2.03

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM.	WATER	POROSITY	MATRIX	CLAY	CUM	CUM.
	PERM.	WATER	POROSITY	DENSITY	CLAY	CUM	CUM.
	MD	%	%	GM/CC	%	FEET	FEET
7260.0	0.1	100.	0.1	1.0	44.7	35.81	2.03
7261.0	0.1	100.	0.1	1.0	49.8	35.82	2.03
7263.0	0.1	100.	0.6	1.0	41.8	35.82	2.03
7264.0	0.1	100.	0.7	1.0	36.1	35.83	2.03
7265.0	0.1	100.	0.4	1.0	36.6	35.83	2.03
7266.0	0.1	100.	0.2	1.0	46.1	35.84	2.03
7267.0	0.1	100.	0.4	1.0	25.5	35.84	2.03
7268.0	0.1	100.	1.4	1.0	5.0	35.85	2.03
7269.0	0.1	100.	1.9	1.0	2.6	35.87	2.03
7270.0	0.1	100.	1.3	1.0	16.1	35.88	2.03
7271.0	0.1	100.	0.6	1.0	34.7	35.89	2.03
7276.0	0.1	100.	1.5	1.0	46.7	35.91	2.03
7279.0	0.1	100.	1.7	1.0	44.7	35.96	2.03
7282.0	0.1	100.	0.8	1.0	45.6	35.99	2.03
7283.0	0.1	100.	0.5	1.0	28.8	36.00	2.03
7284.0	0.1	100.	0.1	1.0	22.2	36.00	2.03
7285.0	0.1	100.	0.1	1.0	22.6	36.00	2.03
7286.0	0.1	100.	0.1	1.0	17.9	36.00	2.03
7287.0	0.1	100.	2.1	1.0	11.9	36.02	2.03
7288.0	0.1	100.	3.6	1.0	21.9	36.05	2.03
7289.0	0.1	100.	3.5	1.0	31.2	36.09	2.03
7290.0	0.1	100.	3.8	1.0	38.4	36.12	2.03
7291.0	0.1	100.	3.7	1.0	41.3	36.16	2.03
7292.0	0.1	100.	3.5	1.0	47.6	36.19	2.03
7293.0	0.1	100.	3.0	1.0	43.6	36.22	2.03
7296.0	0.1	100.	2.3	1.0	47.6	36.27	2.03
7297.0	0.1	100.	3.4	1.0	31.2	36.30	2.03
7298.0	0.1	100.	3.9	1.0	28.6	36.34	2.03
7299.0	0.1	100.	2.0	1.0	32.8	36.36	2.03
7300.0	0.1	100.	0.9	1.0	23.6	36.38	2.03
7301.0	0.1	100.	0.1	1.0	17.8	36.38	2.03
7302.0	0.1	100.	0.7	1.0	17.1	36.38	2.03
7303.0	0.1	100.	0.5	1.0	24.0	36.39	2.03
7304.0	0.1	100.	2.4	1.0	20.2	36.41	2.03
7305.0	0.1	100.	3.3	1.0	15.0	36.44	2.03
7306.0	0.1	100.	3.6	1.0	16.0	36.47	2.03
7307.0	0.1	91.	5.3	1.0	8.6	36.52	2.03
7308.0	0.1	100.	3.8	1.0	7.9	36.57	2.04
7309.0	0.1	85.	4.8	1.0	7.4	36.61	2.04
7310.0	0.1	71.	5.7	1.0	4.4	36.67	2.06
7311.0	0.3	63.	7.0	1.0	2.9	36.74	2.08
7312.0	0.8	54.	8.8	0.8	1.4	36.82	2.12
7313.0	0.7	52.	8.7	1.0	4.0	36.91	2.16
7314.0	1.1	45.	9.6	1.0	8.4	37.00	2.21
7315.0	0.4	52.	7.8	1.0	14.0	37.09	2.25

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7316.0	0.2	64.	6.1	0.9	3.6	37.15	2.28
7317.0	0.1	76.	5.0	1.0	10.4	37.20	2.29
7318.0	0.1	100.	2.1	1.0	27.2	37.24	2.30
7320.0	0.1	100.	1.6	1.0	43.6	37.25	2.30
7321.0	0.1	100.	2.4	1.0	46.8	37.28	2.30
7323.0	0.1	100.	2.0	1.0	34.0	37.31	2.30
7324.0	0.1	100.	2.9	1.0	20.2	37.33	2.30
7325.0	0.1	100.	2.9	1.0	24.5	37.36	2.30
7326.0	0.1	100.	2.2	1.0	37.8	37.39	2.30
7327.0	0.1	100.	1.2	1.0	43.0	37.40	2.30
7328.0	0.1	100.	0.9	1.0	30.0	37.41	2.30
7329.0	0.1	100.	0.1	1.0	25.3	37.41	2.30
7330.0	0.1	100.	0.1	1.0	23.2	37.42	2.30
7331.0	0.1	100.	0.1	1.0	37.5	37.42	2.30
7339.0	0.1	100.	1.6	1.0	45.0	37.46	2.30
7340.0	0.1	100.	0.7	1.0	43.4	37.47	2.30
7341.0	0.1	100.	0.4	1.0	44.6	37.48	2.30
7342.0	0.1	100.	0.1	1.0	47.3	37.48	2.30
7343.0	0.1	100.	0.1	1.0	37.6	37.48	2.30
7344.0	0.1	100.	0.1	1.0	36.6	37.48	2.30
7345.0	0.1	100.	0.1	1.0	27.9	37.48	2.30
7346.0	0.1	100.	0.1	1.0	9.5	37.49	2.30
7347.0	0.1	100.	0.3	1.0	8.6	37.49	2.30
7348.0	0.1	100.	2.8	1.0	23.4	37.51	2.30
7349.0	0.1	100.	3.4	1.0	28.1	37.55	2.30
7350.0	0.1	100.	3.4	1.0	38.0	37.58	2.30
7351.0	0.1	100.	2.1	1.0	43.8	37.60	2.30
7352.0	0.1	100.	1.9	1.0	29.4	37.62	2.30
7353.0	0.1	100.	3.0	1.0	13.4	37.65	2.30
7354.0	0.1	100.	2.4	1.0	22.1	37.68	2.30
7355.0	0.1	100.	2.5	1.0	23.3	37.70	2.30
7356.0	0.1	100.	3.9	1.0	27.4	37.74	2.30
7357.0	0.1	100.	2.5	1.0	31.9	37.77	2.30
7358.0	0.1	100.	0.9	1.0	24.2	37.78	2.30
7359.0	0.1	100.	0.1	1.0	20.4	37.78	2.30
7360.0	0.1	100.	0.1	1.0	24.5	37.78	2.30
7361.0	0.1	100.	0.1	1.0	18.6	37.78	2.30
7362.0	0.1	100.	0.6	1.0	10.7	37.79	2.30
7363.0	0.1	100.	1.3	1.0	10.3	37.80	2.30
7364.0	0.1	100.	1.2	1.0	20.0	37.81	2.30
7367.0	0.1	100.	0.1	1.0	35.9	37.82	2.30
7368.0	0.1	100.	0.4	1.0	23.5	37.82	2.30
7369.0	0.1	100.	1.3	1.0	15.9	37.83	2.30
7370.0	0.1	100.	0.7	1.0	24.7	37.84	2.30
7371.0	0.1	100.	0.2	1.0	42.1	37.84	2.30
7372.0	0.1	100.	0.6	1.0	47.5	37.85	2.30

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7373.0	0.1	100.	0.6	1.0	42.4	37.85	2.30
7374.0	0.1	100.	0.8	1.0	42.6	37.86	2.30
7375.0	0.1	100.	1.1	1.0	39.7	37.87	2.30
7376.0	0.1	100.	0.9	1.0	26.9	37.88	2.30
7377.0	0.1	100.	1.6	1.0	19.9	37.89	2.30
7378.0	0.1	100.	0.4	1.0	11.6	37.90	2.30
7379.0	0.1	100.	0.2	1.0	9.1	37.90	2.30
7380.0	0.1	100.	0.1	1.0	22.0	37.91	2.30
7389.0	0.1	100.	0.4	1.0	15.7	37.91	2.30
7399.0	0.1	100.	0.1	1.0	41.8	37.92	2.30
7400.0	0.1	100.	0.7	1.0	25.2	37.93	2.30
7401.0	0.1	91.	2.9	1.0	26.7	37.95	2.30
7402.0	0.1	75.	3.3	1.0	19.4	37.98	2.30
7403.0	0.1	81.	2.8	1.0	11.0	38.02	2.31
7404.0	0.1	100.	0.2	1.0	10.2	38.02	2.31
7405.0	0.1	100.	0.1	1.0	13.7	38.03	2.31
7406.0	0.1	100.	0.9	1.0	34.1	38.03	2.31
7407.0	0.1	100.	0.1	1.0	43.4	38.04	2.31
7408.0	0.1	100.	0.1	1.0	33.0	38.04	2.31
7409.0	0.1	100.	0.1	1.0	45.1	38.04	2.31
7413.0	0.1	100.	0.1	1.0	26.9	38.04	2.31
7414.0	0.1	100.	0.1	1.0	20.3	38.04	2.31
7415.0	0.1	100.	0.1	1.0	45.0	38.04	2.31
7417.0	0.1	100.	0.9	1.0	43.0	38.05	2.31
7418.0	0.1	100.	1.8	1.0	25.7	38.07	2.31
7419.0	0.1	100.	0.1	1.0	26.2	38.07	2.31
7420.0	0.1	100.	0.1	1.0	30.3	38.07	2.31
7421.0	0.1	100.	0.1	1.0	23.2	38.07	2.31
7422.0	0.1	100.	0.1	1.0	27.5	38.07	2.31
7423.0	0.1	100.	0.1	1.0	28.4	38.07	2.31
7424.0	0.1	100.	0.1	1.0	37.3	38.07	2.31
7425.0	0.1	100.	0.1	1.0	39.1	38.07	2.31
7426.0	0.1	100.	0.5	1.0	43.6	38.08	2.31
7427.0	0.1	100.	0.2	1.0	47.3	38.08	2.31
7428.0	0.1	100.	0.1	1.0	42.8	38.08	2.31
7429.0	0.1	100.	0.1	1.0	39.6	38.08	2.31
7430.0	0.1	100.	0.1	1.0	38.3	38.08	2.31
7431.0	0.1	100.	0.1	1.0	37.0	38.08	2.31
7432.0	0.1	100.	0.1	1.0	40.6	38.09	2.31
7433.0	0.1	100.	0.9	1.0	48.1	38.09	2.31
7434.0	0.1	100.	0.1	1.0	44.1	38.09	2.31
7438.0	0.1	100.	0.4	1.0	47.5	38.10	2.31
7439.0	0.1	100.	0.1	1.0	40.0	38.10	2.31
7446.0	0.1	100.	0.5	1.0	38.3	38.11	2.31

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7447.0	0.1	100.	1.4	1.0	33.3	38.12	2.31
7450.0	0.1	100.	0.0	1.0	42.4	38.12	2.31
7451.0	0.1	100.	0.1	1.0	37.3	38.12	2.31
7452.0	0.1	100.	0.3	1.0	37.3	38.12	2.31
7453.0	0.1	100.	0.6	1.0	18.9	38.13	2.31
7454.0	0.1	100.	1.0	1.0	15.8	38.14	2.31
7455.0	0.1	100.	0.9	1.0	21.9	38.15	2.31
7456.0	0.1	100.	0.4	1.0	31.2	38.15	2.31
7457.0	0.1	100.	0.5	1.0	23.0	38.16	2.31
7458.0	0.1	100.	0.1	1.0	31.1	38.16	2.31
7459.0	0.1	100.	0.1	1.0	48.0	38.16	2.31
7465.0	0.1	100.	0.5	1.0	44.0	38.16	2.31
7466.0	0.1	100.	0.6	1.0	33.7	38.17	2.31
7467.0	0.1	100.	0.2	1.0	45.6	38.17	2.31
7469.0	0.1	100.	0.3	1.0	44.7	38.18	2.31
7470.0	0.1	100.	0.8	1.0	34.9	38.18	2.31
7475.0	0.1	100.	0.6	1.0	31.4	38.22	2.31
7476.0	0.1	100.	0.1	1.0	23.9	38.22	2.31
7477.0	0.1	100.	0.1	1.0	20.0	38.22	2.31
7478.0	0.1	100.	0.1	1.0	23.3	38.22	2.31
7479.0	0.1	100.	0.8	1.0	29.9	38.22	2.31
7482.0	0.1	100.	0.1	1.0	47.2	38.23	2.31
7483.0	0.1	100.	0.1	1.0	43.0	38.23	2.31
7484.0	0.1	100.	0.1	1.0	34.7	38.23	2.31
7485.0	0.1	100.	1.4	1.0	17.2	38.25	2.31
7486.0	0.1	93.	2.4	1.0	12.2	38.27	2.31
7487.0	0.1	100.	2.0	1.0	14.2	38.29	2.31
7488.0	0.1	100.	2.1	1.0	29.0	38.31	2.31
7489.0	0.1	100.	0.1	1.0	40.7	38.31	2.31
7490.0	0.1	100.	0.1	1.0	40.5	38.31	2.31
7494.0	0.1	100.	1.3	1.0	33.3	38.32	2.31
7495.0	0.1	100.	0.6	1.0	15.5	38.33	2.31
7496.0	0.1	100.	1.3	1.0	12.1	38.35	2.31
7497.0	0.1	100.	0.1	1.0	22.9	38.35	2.31
7498.0	0.1	100.	0.8	1.0	29.9	38.35	2.31
7499.0	0.1	100.	1.3	1.0	30.3	38.37	2.31
7500.0	0.1	100.	0.1	1.0	38.3	38.37	2.31
7501.0	0.1	100.	0.1	1.0	38.6	38.37	2.31
7502.0	0.1	100.	0.1	1.0	24.1	38.37	2.31
7503.0	0.1	100.	0.1	1.0	19.9	38.37	2.31
7504.0	0.1	100.	0.1	1.0	28.3	38.37	2.31
7505.0	0.1	100.	0.1	1.0	36.2	38.37	2.31
7506.0	0.1	100.	0.4	1.0	21.3	38.38	2.31
7507.0	0.1	100.	1.2	1.0	20.4	38.39	2.31

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7508.0	0.1	98.	3.1	1.0	12.3	38.42	2.31
7509.0	0.1	100.	1.9	1.0	9.8	38.44	2.32
7510.0	0.1	100.	0.3	1.0	18.1	38.44	2.32
7511.0	0.1	100.	2.3	1.0	25.7	38.46	2.32
7512.0	0.1	100.	2.8	1.0	20.9	38.49	2.32
7513.0	0.1	70.	4.3	1.0	17.8	38.53	2.32
7514.0	0.1	70.	4.7	1.0	21.2	38.58	2.34
7515.0	0.1	72.	4.5	1.0	14.0	38.62	2.35
7516.0	0.1	61.	5.3	1.0	11.9	38.67	2.37
7517.0	0.3	46.	7.0	1.0	13.6	38.74	2.40
7518.0	0.3	44.	7.0	1.0	10.3	38.81	2.44
7519.0	0.1	77.	3.7	1.0	26.4	38.85	2.46
7520.0	0.1	100.	2.6	1.0	47.2	38.89	2.46
7521.0	0.1	100.	0.0	1.0	42.2	38.89	2.46
7523.0	0.1	100.	0.0	1.0	46.5	38.89	2.46
7524.0	0.1	100.	0.6	1.0	29.1	38.90	2.46
7525.0	0.1	100.	1.1	1.0	25.5	38.91	2.46
7526.0	0.1	100.	1.6	1.0	24.5	38.92	2.46
7527.0	0.1	100.	2.5	1.0	28.6	38.94	2.46
7533.0	0.1	100.	0.1	1.0	40.7	39.00	2.46
7534.0	0.1	100.	0.1	1.0	28.7	39.00	2.46
7535.0	0.1	100.	0.1	1.0	39.8	39.00	2.46
7536.0	0.1	100.	1.6	1.0	38.1	39.01	2.46
7537.0	0.1	100.	2.0	1.0	45.2	39.03	2.46
7543.0	0.1	100.	0.1	1.0	44.8	39.15	2.47
7544.0	0.1	100.	1.0	1.0	36.3	39.15	2.47
7545.0	0.1	100.	2.6	1.0	25.7	39.18	2.47
7546.0	0.1	100.	2.8	1.0	16.6	39.20	2.47
7547.0	0.1	87.	3.3	1.0	10.1	39.24	2.47
7548.0	0.1	68.	4.3	0.8	3.7	39.28	2.48
7549.0	0.1	100.	0.1	1.0	40.9	39.30	2.49
7550.0	0.1	100.	0.0	1.0	44.2	39.30	2.49
7551.0	0.1	100.	0.0	1.0	48.7	39.30	2.49
7557.0	0.1	100.	2.0	1.0	31.1	39.33	2.49
7558.0	0.1	100.	1.4	1.0	37.7	39.35	2.49
7559.0	0.1	100.	2.6	1.0	22.4	39.37	2.49
7560.0	0.1	100.	2.7	1.0	13.2	39.40	2.49
7561.0	0.1	96.	3.8	1.0	14.9	39.44	2.49
7562.0	0.1	100.	1.8	1.0	41.7	39.46	2.49
7563.0	0.1	100.	1.1	1.0	42.8	39.47	2.49
7565.0	0.1	100.	0.9	1.0	39.2	39.48	2.49
7566.0	0.1	100.	2.0	1.0	36.1	39.50	2.49
7567.0	0.1	100.	1.3	1.0	49.5	39.51	2.49
7568.0	0.1	100.	0.8	1.0	49.9	39.52	2.49
7569.0	0.1	100.	0.0	1.0	46.2	39.52	2.49

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM, CUM, FEET
7573.0	0.1	100.	0.0	1.0	44.2	39.52	2.49
7594.0	0.1	100.	1.3	1.0	37.8	39.55	2.49
7595.0	0.1	100.	0.8	1.0	44.8	39.56	2.49
7598.0	0.1	100.	1.0	1.0	45.5	39.57	2.49
7599.0	0.1	100.	0.6	1.0	43.6	39.58	2.49
7600.0	0.1	100.	0.5	1.0	31.8	39.59	2.49
7601.0	0.1	100.	0.3	1.0	35.8	39.59	2.49
7602.0	0.1	100.	1.6	1.0	21.6	39.60	2.49
7603.0	0.1	100.	0.7	1.0	40.9	39.61	2.49
7607.0	0.1	100.	0.8	1.0	36.6	39.62	2.49
7619.0	0.1	100.	1.6	1.0	25.5	39.65	2.49
7620.0	0.1	100.	0.6	1.0	32.1	39.66	2.49
7622.0	0.1	100.	1.3	1.0	45.4	39.67	2.49
7623.0	0.1	100.	1.6	1.0	34.9	39.69	2.49
7624.0	0.1	100.	2.8	1.0	36.1	39.71	2.49
7625.0	0.1	100.	3.2	1.0	45.7	39.74	2.49
7627.0	0.1	100.	2.2	1.0	23.5	39.79	2.49
7628.0	0.1	100.	2.7	1.0	32.6	39.81	2.49
7629.0	0.8	98.	7.0	1.0	30.5	39.87	2.49
7630.0	2.4	62.	11.4	1.0	28.3	39.98	2.53
7631.0	0.6	52.	8.4	1.0	39.3	40.08	2.58
7634.0	0.1	100.	0.1	1.0	39.3	40.10	2.58
7635.0	0.1	100.	0.4	1.0	27.6	40.10	2.58
7636.0	0.1	100.	1.6	1.0	16.6	40.12	2.58
7637.0	0.1	100.	0.3	1.0	14.5	40.12	2.58
7638.0	0.1	100.	0.1	1.0	13.1	40.12	2.58
7639.0	0.1	100.	0.1	1.0	19.7	40.12	2.58
7640.0	0.1	100.	1.5	1.0	18.1	40.13	2.58
7641.0	0.1	100.	3.5	1.0	11.7	40.17	2.58
7642.0	0.1	100.	3.2	1.0	7.1	40.20	2.58
7643.0	0.1	100.	1.5	1.0	36.3	40.23	2.58
7684.0	0.1	100.	0.0	1.0	49.1	40.28	2.58
7690.0	0.1	100.	2.3	1.0	47.1	40.30	2.58
7691.0	0.1	99.	4.1	1.0	35.2	40.33	2.58
7692.0	0.4	53.	7.5	1.0	34.8	40.40	2.61
7693.0	0.8	47.	8.9	1.0	20.8	40.48	2.65
7694.0	0.2	61.	6.6	1.0	14.9	40.56	2.69
7695.0	0.1	100.	2.5	1.0	13.0	40.59	2.69
7696.0	0.7	53.	8.7	1.0	6.4	40.67	2.72
7697.0	2.4	42.	11.3	1.0	4.7	40.78	2.78

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7698.0	1.2	48.	9.8	1.0	7.6	40.88	2.84
7699.0	0.6	57.	8.3	1.0	2.6	40.96	2.88
7700.0	0.8	55.	8.8	1.0	1.9	41.05	2.91
7701.0	0.4	63.	7.7	1.0	5.5	41.13	2.95
7702.0	0.4	65.	7.4	1.0	9.3	41.21	2.97
7703.0	0.8	54.	8.9	1.0	1.3	41.29	3.01
7704.0	0.7	54.	8.7	0.8	0.4	41.38	3.05
7705.0	0.6	56.	8.2	0.9	0.6	41.47	3.09
7706.0	0.6	56.	8.1	0.9	0.7	41.55	3.12
7707.0	1.0	50.	9.2	0.8	0.7	41.64	3.17
7708.0	0.8	51.	8.8	1.0	2.7	41.73	3.21
7709.0	0.4	58.	7.4	1.0	8.8	41.80	3.25
7710.0	0.2	71.	6.1	1.0	13.3	41.87	3.27
7711.0	0.2	67.	6.1	1.0	8.2	41.93	3.28
7712.0	0.1	78.	4.6	1.0	15.2	41.98	3.30
7714.0	0.1	100.	2.9	1.0	40.9	42.03	3.30
7715.0	0.1	84.	6.0	1.0	22.6	42.08	3.31
7716.0	0.1	97.	5.2	1.0	19.0	42.14	3.31
7717.0	0.1	100.	4.1	1.0	21.3	42.18	3.31
7718.0	0.1	100.	4.7	1.0	18.4	42.22	3.31
7719.0	0.1	91.	5.8	1.0	17.1	42.28	3.32
7720.0	0.2	76.	6.7	1.0	15.1	42.35	3.33
7721.0	0.1	83.	6.0	1.0	9.3	42.41	3.34
7722.0	0.1	90.	5.4	1.0	7.6	42.46	3.35
7723.0	0.2	72.	6.8	1.0	8.8	42.52	3.36
7724.0	0.7	58.	8.5	1.0	3.4	42.61	3.40
7725.0	0.9	53.	9.0	1.0	3.5	42.70	3.44
7726.0	0.7	56.	8.7	1.0	2.9	42.78	3.48
7727.0	2.0	46.	10.9	1.0	2.0	42.88	3.53
7728.0	2.9	40.	11.8	1.0	8.1	43.00	3.60
7729.0	1.1	45.	9.6	1.0	15.2	43.10	3.66
7730.0	0.1	77.	5.2	1.0	12.1	43.17	3.68
7731.0	0.1	98.	3.8	1.0	11.8	43.21	3.68
7732.0	0.1	100.	3.6	1.0	21.8	43.25	3.68
7734.0	0.1	100.	0.0	1.0	3.0	43.26	3.68
7735.0	0.1	100.	0.0	1.0	3.2	43.26	3.68
7736.0	0.1	100.	0.0	1.0	3.7	43.26	3.68
7737.0	0.1	100.	0.0	1.0	6.8	43.26	3.68
7738.0	0.1	100.	0.0	1.0	2.4	43.26	3.68
7739.0	0.1	100.	0.0	1.0	23.4	43.26	3.68
7740.0	0.1	100.	0.7	1.0	33.6	43.27	3.68
7741.0	0.1	100.	1.2	1.0	40.0	43.28	3.68
7755.0	0.1	100.	0.0	1.0	2.8	43.30	3.68
7756.0	0.1	100.	2.7	1.0	2.1	43.31	3.68
7757.0	0.1	100.	5.2	1.0	1.3	43.36	3.68
7758.0	0.1	100.	3.5	1.0	1.1	43.40	3.68
7759.0	0.1	100.	1.5	1.0	46.4	43.42	3.68

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7760.0	0.1	100.	3.1	1.0	35.2	43.45	3.68
7761.0	0.1	100.	4.3	1.0	22.4	43.49	3.68
7762.0	0.1	100.	5.0	1.0	13.8	43.54	3.68
7763.0	0.1	100.	3.0	1.0	22.7	43.58	3.68
7764.0	0.1	100.	3.4	1.0	9.7	43.61	3.68
7765.0	0.1	100.	4.1	1.0	28.1	43.65	3.68
7766.0	0.1	100.	3.7	1.0	37.9	43.69	3.68
7767.0	0.1	100.	0.4	1.0	7.2	43.70	3.68
7768.0	0.1	100.	3.2	1.0	35.6	43.72	3.68
7770.0	0.1	100.	2.8	1.0	29.6	43.80	3.68
7771.0	0.1	71.	4.8	1.0	14.7	43.85	3.70
7772.0	0.1	100.	2.4	1.0	22.4	43.88	3.70
7773.0	0.1	100.	3.5	1.0	20.2	43.91	3.70
7774.0	0.1	100.	3.4	1.0	21.7	43.95	3.70
7775.0	0.1	94.	3.4	1.0	8.3	43.98	3.70
7776.0	0.1	100.	2.8	1.0	8.2	44.01	3.70
7777.0	0.1	100.	3.4	1.0	19.5	44.04	3.70
7778.0	0.1	100.	2.4	1.0	22.6	44.07	3.70
7779.0	0.1	100.	1.8	1.0	20.7	44.09	3.70
7780.0	0.1	100.	4.5	1.0	18.6	44.12	3.70
7781.0	0.3	77.	7.3	1.0	14.9	44.18	3.71
7782.0	0.1	100.	0.0	1.0	6.1	44.22	3.71
7783.0	0.1	100.	0.0	1.0	30.2	44.22	3.71
7784.0	0.1	100.	0.0	1.0	18.3	44.22	3.71
7785.0	0.1	100.	2.6	1.0	31.0	44.25	3.71
7786.0	0.7	47.	8.5	1.0	6.8	44.32	3.75
7787.0	9.6	26.	15.6	0.4	2.4	44.46	3.85
7788.0	9.6	26.	15.6	0.5	3.1	44.62	3.97
7789.0	3.0	32.	12.0	0.7	2.7	44.75	4.06
7790.0	5.0	28.	13.4	1.0	6.6	44.88	4.15
7791.0	3.1	30.	12.1	1.0	13.4	45.00	4.23
7792.0	2.8	30.	11.8	1.0	12.7	45.12	4.32
7793.0	2.4	30.	11.4	1.0	16.9	45.24	4.40
7794.0	4.3	27.	12.9	1.0	17.5	45.36	4.49
7795.0	2.6	30.	11.6	0.7	2.0	45.48	4.58
7796.0	1.6	35.	10.3	0.7	2.0	45.59	4.64
7797.0	1.4	36.	10.1	0.8	3.9	45.69	4.71
7798.0	1.5	36.	10.2	1.0	19.1	45.79	4.77
7799.0	1.4	38.	10.0	1.0	10.7	45.89	4.84
7800.0	0.4	50.	7.5	1.0	12.5	45.98	4.89
7801.0	0.1	100.	3.1	1.0	39.6	46.02	4.89
7802.0	0.1	100.	4.1	1.0	48.0	46.05	4.89
7803.0	0.4	77.	7.5	1.0	35.9	46.12	4.90
7804.0	1.8	55.	10.7	1.0	10.2	46.22	4.94
7805.0	3.4	47.	12.3	0.6	1.7	46.34	5.01
7806.0	3.8	44.	12.6	0.5	1.2	46.46	5.07
7807.0	3.0	44.	12.0	0.6	1.3	46.59	5.14
7808.0	1.9	48.	10.8	1.0	8.8	46.70	5.20
7809.0	1.3	53.	9.8	1.0	8.6	46.80	5.25

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7810.0	0.7	59.	8.6	1.0	9.9	46.89	5.29
7811.0	1.1	53.	9.6	1.0	4.4	46.98	5.33
7812.0	1.4	55.	10.1	0.5	1.4	47.08	5.37
7813.0	0.1	100.	1.0	1.0	10.8	47.12	5.38
7814.0	0.1	100.	0.0	1.0	39.7	47.12	5.38
7822.0	0.3	64.	7.0	1.0	19.2	47.17	5.40
7823.0	2.4	40.	11.4	0.9	3.1	47.28	5.46
7824.0	1.1	51.	9.4	1.0	7.2	47.39	5.52
7825.0	0.6	64.	8.2	1.0	10.4	47.47	5.55
7826.0	0.2	83.	6.4	1.0	15.1	47.54	5.57
7827.0	0.7	67.	8.5	1.0	7.2	47.62	5.59
7828.0	1.3	58.	9.9	1.0	2.2	47.72	5.63
7829.0	1.9	52.	10.8	0.8	2.0	47.82	5.68
7830.0	1.1	55.	9.6	1.0	7.5	47.92	5.73
7831.0	0.1	100.	5.5	1.0	21.2	47.98	5.73
7846.0	0.1	100.	1.9	1.0	33.0	48.01	5.73
7847.0	0.2	98.	3.4	1.0	16.7	48.04	5.73
7848.0	0.1	89.	5.8	1.0	19.3	48.08	5.74
7849.0	0.2	100.	5.4	1.0	29.5	48.11	5.74
7852.0	0.1	100.	0.6	1.0	36.0	48.13	5.74
7853.0	0.1	100.	1.8	1.0	20.9	48.15	5.74
7854.0	0.1	100.	2.3	1.0	31.5	48.17	5.74
7873.0	0.1	100.	3.2	1.0	23.2	48.21	5.74
7874.0	0.2	54.	6.2	1.0	9.8	48.26	5.76
7875.0	0.1	67.	4.4	1.0	12.5	48.31	5.78
7876.0	0.1	89.	3.8	1.0	9.6	48.35	5.78
7877.0	0.1	94.	3.8	1.0	15.1	48.39	5.79
7887.0	0.1	100.	0.5	1.0	45.8	48.42	5.79
7897.0	0.1	100.	0.0	1.0	44.1	48.45	5.79
7902.0	0.1	100.	0.0	1.0	37.2	48.45	5.79
7903.0	0.1	100.	0.0	1.0	18.2	48.45	5.79
7904.0	0.1	100.	0.0	1.0	17.3	48.45	5.79
7905.0	0.1	100.	0.0	1.0	46.9	48.45	5.79
7910.0	0.1	100.	1.9	1.0	40.7	48.46	5.79
7911.0	0.1	100.	3.5	1.0	34.7	48.49	5.79
7912.0	0.1	96.	3.8	1.0	24.8	48.53	5.79
7913.0	0.1	100.	2.8	1.0	27.2	48.56	5.79
7914.0	0.1	100.	2.0	1.0	38.2	48.58	5.79
7915.0	0.1	100.	2.3	1.0	41.8	48.60	5.79
7917.0	0.1	100.	2.5	1.0	38.7	48.65	5.79
7918.0	0.1	100.	2.1	1.0	21.8	48.68	5.79

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7919.0	0.1	100.	2.9	1.0	10.9	48.70	5.79
7920.0	0.2	47.	6.1	1.0	3.6	48.75	5.81
7921.0	0.4	34.	7.6	0.8	1.0	48.82	5.86
7922.0	1.2	35.	9.6	1.0	8.8	48.91	5.91
7923.0	2.1	41.	11.0	1.0	14.4	49.02	5.98
7924.0	1.7	43.	10.4	1.0	5.8	49.12	6.04
7925.0	1.2	46.	9.6	1.0	4.9	49.22	6.09
7926.0	0.6	52.	8.2	1.0	0.8	49.30	6.13
7927.0	0.5	53.	7.8	1.0	1.2	49.38	6.17
7928.0	0.2	62.	6.4	1.0	2.1	49.45	6.20
7929.0	0.1	99.	3.8	1.0	3.6	49.50	6.20
7930.0	0.1	100.	3.9	1.0	18.9	49.54	6.21
7937.0	0.1	100.	0.0	1.0	0.0	49.57	6.21
7940.0	0.1	100.	0.0	1.0	0.0	49.72	6.31
7941.0	0.1	100.	0.0	1.0	0.0	49.72	6.31
7953.0	0.2	100.	1.1	1.0	24.3	49.74	6.31
7954.0	0.3	49.	7.3	1.0	8.7	49.79	6.33
7955.0	0.2	54.	6.3	1.0	10.1	49.85	6.36
7956.0	0.1	60.	5.8	1.0	6.1	49.91	6.39
7957.0	0.1	74.	4.8	1.0	5.9	49.96	6.40
7958.0	0.1	100.	3.8	1.0	6.0	50.00	6.40
7959.0	0.1	100.	2.4	1.0	48.9	50.03	6.40
7961.0	0.1	100.	0.0	1.0	47.2	50.03	6.40
7962.0	0.1	100.	0.0	1.0	7.4	50.03	6.40
7963.0	0.1	100.	0.0	1.0	4.9	50.03	6.40
7964.0	0.1	100.	0.0	1.0	48.8	50.03	6.40
7970.0	0.1	100.	2.2	1.0	32.1	50.08	6.40
7971.0	0.1	100.	2.2	1.0	26.9	50.10	6.40
7972.0	0.1	91.	4.3	1.0	11.5	50.14	6.41
7973.0	0.1	100.	0.6	1.0	31.4	50.16	6.41
7977.0	0.1	100.	0.8	1.0	46.7	50.16	6.41
7985.0	0.1	100.	2.3	1.0	44.8	50.18	6.41
7986.0	0.1	100.	1.6	1.0	45.9	50.21	6.41
7988.0	0.1	100.	3.8	1.0	36.5	50.23	6.41
7989.0	0.1	100.	5.8	1.0	13.4	50.29	6.41
7990.0	0.1	85.	5.3	1.0	9.7	50.34	6.41
7991.0	0.1	92.	4.3	1.0	12.3	50.39	6.42
7992.0	0.3	52.	7.0	1.0	9.1	50.45	6.45
7993.0	0.2	52.	6.4	1.0	4.7	50.52	6.48
7994.0	0.1	65.	5.9	1.0	4.2	50.58	6.50
7995.0	0.1	74.	5.5	1.0	4.7	50.64	6.52
7996.0	0.1	55.	6.0	1.0	1.6	50.69	6.54

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
7997.0	0.8	34.	8.9	0.4	0.4	50.78	6.59
7998.0	0.8	33.	8.8	0.5	0.4	50.86	6.65
7999.0	1.5	36.	10.1	0.8	1.2	50.96	6.72
8000.0	1.1	43.	9.6	1.0	2.9	51.06	6.77
8001.0	1.0	44.	9.3	1.0	1.9	51.15	6.82
8002.0	0.8	45.	8.8	0.7	0.3	51.24	6.87
8003.0	0.9	44.	9.1	0.5	0.2	51.33	6.92
8004.0	1.2	41.	9.8	0.4	0.2	51.43	6.98
8005.0	1.5	40.	10.3	0.4	0.3	51.53	7.04
8006.0	1.5	42.	10.2	0.6	0.5	51.63	7.10
8007.0	1.0	52.	9.3	1.0	7.4	51.73	7.15
8008.0	0.1	100.	1.7	1.0	34.7	51.77	7.16
8016.0	0.1	100.	0.3	1.0	23.2	51.77	7.16
8017.0	0.1	74.	5.7	0.3	4.0	51.81	7.16
8018.0	0.1	83.	5.0	0.8	16.8	51.87	7.18
8026.0	0.1	100.	0.1	1.0	34.4	51.88	7.18
8027.0	0.1	100.	2.5	1.0	27.4	51.89	7.18
8028.0	0.1	100.	2.4	1.0	30.8	51.92	7.18
8043.0	0.1	100.	0.0	1.0	0.0	51.93	7.18
8044.0	0.1	100.	0.0	0.2	0.0	52.09	7.29
8045.0	0.1	100.	0.0	0.2	0.0	52.31	7.46
8046.0	0.1	100.	0.0	0.2	0.0	52.48	7.58
8049.0	0.1	100.	0.0	0.2	0.0	52.60	7.66
8050.0	0.1	100.	0.0	1.0	0.0	52.66	7.70
8051.0	0.1	100.	0.0	1.0	0.0	52.66	7.70
8052.0	0.1	100.	0.0	1.0	0.0	52.66	7.70
8061.0	0.1	100.	1.4	1.0	32.9	52.68	7.70
8062.0	0.1	100.	1.0	1.0	45.4	52.69	7.70
8074.0	0.1	100.	1.2	1.0	49.7	52.76	7.70
8078.0	0.1	100.	1.9	1.0	31.7	52.79	7.70
8079.0	0.1	100.	1.8	1.0	38.2	52.80	7.70
8090.0	0.1	63.	5.9	1.0	43.7	52.88	7.72
8091.0	0.1	62.	3.5	1.0	46.3	52.92	7.73
8099.0	0.1	100.	0.2	1.0	42.1	52.93	7.73
8100.0	0.1	100.	0.0	1.0	13.9	52.93	7.73
8105.0	0.1	100.	0.6	1.0	26.8	52.94	7.73
8119.0	0.1	96.	4.5	1.0	32.1	52.99	7.74
8120.0	0.1	77.	4.5	1.0	20.1	53.04	7.74
8121.0	0.1	79.	3.8	1.0	13.4	53.08	7.75

MAPCO INC.----RIVER BEND UNIT #11-15F SAND DCC#318
RIVER BEND----15-10S-20E----UINTAH,UTAH

	PERM. PERM. MD	WATER WATER %	POROSITY POROSITY %	MATRIX DENSITY GM/CC	CLAY CLAY %	CUM CUM FEET	CUM. CUM. FEET
8122.0	0.1	72.	4.4	1.0	24.6	53.12	7.76
8123.0	0.1	72.	4.4	1.0	34.9	53.16	7.78
8124.0	0.1	48.	6.0	1.0	30.9	53.21	7.80
8125.0	0.2	39.	6.6	1.0	30.5	53.28	7.84
8126.0	0.2	43.	6.7	1.0	31.0	53.35	7.87
8127.0	0.3	46.	7.1	1.0	32.2	53.42	7.91
8128.0	0.1	61.	5.6	1.0	23.3	53.48	7.94
8129.0	0.1	70.	5.0	1.0	20.1	53.53	7.96
8130.0	0.1	78.	4.5	1.0	26.4	53.57	7.97
8131.0	0.4	47.	7.7	1.0	12.1	53.64	8.00
8132.0	0.9	40.	9.0	1.0	10.5	53.73	8.05
8133.0	0.2	55.	6.8	1.0	15.4	53.80	8.09
8134.0	0.2	61.	6.4	1.0	10.1	53.87	8.12
8135.0	0.1	88.	4.1	1.0	23.8	53.91	8.12
8136.0	0.1	100.	1.9	1.0	34.1	53.94	8.12
8137.0	0.1	100.	0.9	1.0	40.8	53.95	8.12
8138.0	0.1	100.	0.0	1.0	46.0	53.97	8.12
8176.0	0.1	100.	1.0	1.0	42.2	54.13	8.12
8177.0	0.1	100.	1.3	1.0	30.3	54.14	8.12
8178.0	0.1	100.	1.3	1.0	39.6	54.15	8.12

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 22, 1985

C..N.G. Producing
705 South Elgin
Tulsa, Oklahoma 74101-2115

Gentlemen:

During the process of verifying the information put in our automated system, we have come across some incomplete and differing information about the producing zones on three of the wells operated by your company.

Well No. RBU 11-16E, API #4304730260, Sec. 16, T. 10S., R. 19E., Uintah County, Utah is currently listed in our system as producing from the WSMVD. Our files have a completion report listing the well as producing from the WSTC only. We do have a sundry dated October 23, 1978 of intent to frac treat and perforate additional MVRD and WSTC zones indicated in the logging program; however, we did not receive a follow up on that sundry. Please indicate which zone(s) this well is now producing from and enclose sundries of workovers etc. to support this information.

Well No. RBU 7-21F, API #4304730376, Sec. 21, T. 10S., R. 20E., Uintah County, Utah is currently listed in our system as producing from the MVRD only. The Well Completion Report submitted to this office dated January 19, 1979 indicates a recompletion in the MVRD only; however, it does not state that the WSTC zone was sealed off. Please indicate which zone(s) this well is now producing from and enclose sundries to support this information.

Well No. RBU 11-15F, API #4304730375, Sec. 15, T. 10S., R. 20E., Uintah County, Utah is currently listed in our system as producing from the MVRD only. The Well Completion Report submitted to this office dated February 2, 1980 indicates a recompletion in the MVRD only; however, it does not state that the WSTC zone was sealed off. Please indicate which zone(s) this well is now producing from and enclose sundries to support this information.

Please send your reply with explanatory cover letter to Attention: Suspense File - Claudia Jones.

Sincerely,

Claudia L. Jones
Production Specialist

Enclosures
cc: Dianne R. Nielson
Ronald J. Firth
Norman C. Stout
Suspense File
0063S/13-14

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 23, 1985

CERTIFIED MAIL
RETURN RECEIPT REQUESTED P 707 260 233

C.N.G. Producing
705 South Elgin
Tulsa, Oklahoma 74101-2115

2nd NOTICE

Gentlemen:

During the process of verifying the information put in our automated system, we have come across some incomplete and differing information about the producing zones on three of the wells operated by your company.

Well No. RBU 11-16E, API #4304730260, Sec. 16, T. 10S., R. 19E., Uintah County, Utah is currently listed in our system as producing from the Wasatch-Mesa Verde. Our files have a completion report listing the well as producing from the Wasatch only. We do have a sundry dated October 23, 1978 of intent to frac treat and perforate additional Mesa Verde and Wasatch zones indicated in the logging program; however, we did not receive a follow up on that sundry. Please indicate which zone(s) this well is now producing from and enclose sundries of workovers etc. to support this information.

Well No. RBU 7-21F, API #4304730376, Sec. 21, T. 10S., R. 20E., Uintah County, Utah is currently listed in our system as producing from the Mesa Verde only. The Well Completion Report submitted to this office dated January 19, 1979 indicates a recompletion in the Mesa Verde only; however, it does not state that the Wasatch zone was sealed off. Please indicate which zone(s) this well is now producing from and enclose sundries to support this information.

Well No. RBU 11-15F, API #4304730375, Sec. 15, T. 10S., R. 20E., Uintah County, Utah is currently listed in our system as producing from the Mesa Verde only. The Well Completion Report submitted to this office dated February 2, 1980 indicates a recompletion in the Mesa Verde only; however, it does not state that the Wasatch zone was sealed off. Please indicate which zone(s) this well is now producing from and enclose sundries to support this information.

Please send your reply with explanatory cover letter within 15 days to **Attention: Suspense File - Norman C. Stout.**

Respectfully,

Norman C. Stout
Administrative Assistant

clj
Enclosures
cc: Dianne R. Nielson
Ronald J. Firth
Suspense File
File
0063S/9

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: River Bend

2. NAME OF OPERATOR: CNG Producing Company

8. FARM OR LEASE NAME: RBU

3. ADDRESS OF OPERATOR: 705 S. Elgin Ave, P.O. Box 2115, Tulsa, OK 74101-2115

9. WELL NO.: 11-15F

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1991'FSL & 2111' FWL

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 15-T10S-R20E

14. PERMIT NO.: 43-047-30373

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4914' GR 4928' KB

12. COUNTY OR PARISH: Uintah

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) Producing Intervals			☒
(Other)			☐	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

8-9-79 Release RTTS packer at 7610'. POOH with tubing and packer.

8-11-79 RIH with 2 3/8" tubing to 5,000'. Put well on production. Well producing from Wasatch and Mesaverde formations.

Note: See attached Perforation and Stimulation Report.

RECEIVED
JAN 23 1986
DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Gregg C. Bertal TITLE Sr. Engineering Tech DATE 1/17/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

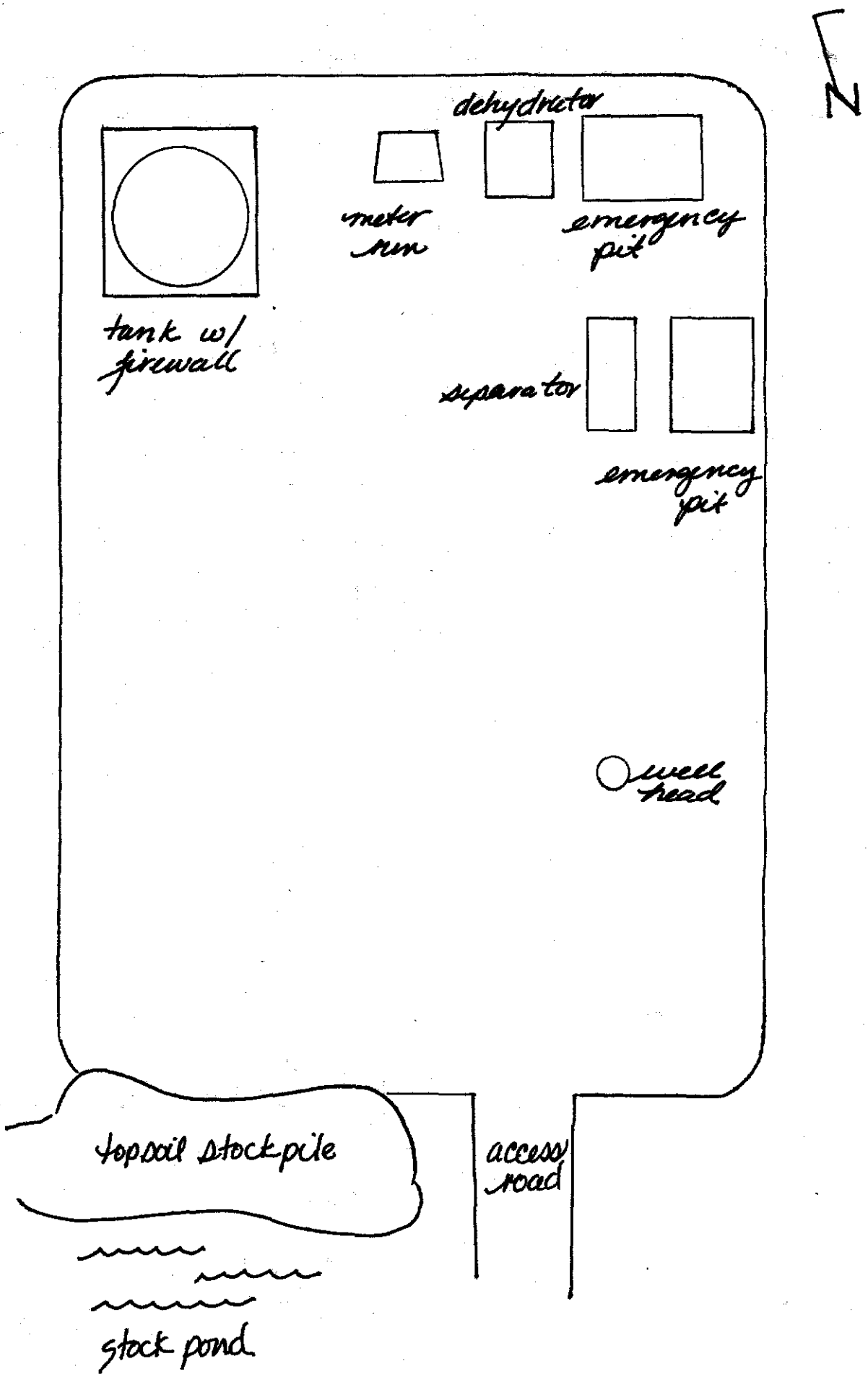
*See Instructions on Reverse Side

CNG PRODUCING COMPANY

PERFORATION AND STIMULATION REPORT
RBU 11-15F

Perforation Record			Acid, Shot, Fracture, Cement Squeeze, Etc
Zone and Depth	Size	No.	Amount and Kind of Material Use
Wasatch			
5244'-5248'	0.45	3	Break down perforations with 2,000 gal.
5262'-5264'	0.45	2	15% HCL. Frac with 30,240 gal. gelled
5364'-5366'	0.45	2	water pad, 54,500 gal. gelled water with
5378'-5382'	0.45	3	137,250 lbs. 10/20 sand.
5538'-5546'	0.45	5	
5882'-5886'	0.45	3	
6094'-6096'	0.45	2	
Mesaverde			
7791'-7792'	0.45	2	Break down perforations with 1,600 gal.
7795'-7796'	0.45	2	15% HCL. Frac with 20,000 gal. Appollo
7919'-7920'	0.45	2	55 pad, 27,550 gal. Appollo 40 and
7925'-7927'	0.45	2	92,000 lbs. 20/40 sand.
7954'-7956'	0.45	2	
7990'	0.45	1	
7995'-7997'	0.45	2	
8000'-8004'	0.45	3	

RBU 11-15F | Sec 15 10S 20E | Carol Kubly 24 May 88



Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
U-206

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new well, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT - for such proposals

8. Unit or Communization Agreement
River Bend Unit
#14-08-0001-16305

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number
RBU 11-15F

2. Name of Operator
CNG Producing Company

10. API Well Number
43-047-30376 30375

3. Address of Operator
1450 Poydras St., New Orleans, LA 70112-6000

4. Telephone Number
(504) 593-7260

11. Field and Pool, or Wildcat
River Bend

5. Location of Well
Footage : 2,111' FWL & 1,991' FSL
QQ, SEC., T., R., M.: NE SW of Sec. 15-T10S-R20E
County : Uintah
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other **Annual Status Report**
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETION OPERATIONS(Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

STATUS OF WELL

Shut-in

EXPLANATION FOR STATUS OF WELL

Under evaluation

FUTURE PLANS

Possible workover or recompletion

RECEIVED
FEB 06 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Scot Childress
W. Scot Childress
Title Supervisor, Prod. Engineering
Date January 31, 1992

(State Use Only)

(8/90)

See Instructions on Reverse Side

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number
-7206

7. Indian Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new well, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT - for such proposals

8. Unit or Communization Agreement
River Bend Unit
#14-08-0001-16305

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number
RBU 11-15F

2. Name of Operator
CNG Producing Company

10. API Well Number
43-047-~~30376~~ 30375

3. Address of Operator
1450 Poydras St., New Orleans, LA 70112-6000

4. Telephone Number
(504) 593-7260

11. Field and Pool, or Wildcat
River Bend

5. Location of Well
Footage : 2,111' FWL & 1,991' FSL
QQ, SEC., T., R., M.: NE SW of Sec. 15-T10S-R20E
County : Uintah
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other Annual Status Report
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETION OPERATIONS(Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

STATUS OF WELL

Shut-in

EXPLANATION FOR STATUS OF WELL

Under evaluation

FUTURE PLANS

Possible workover or recompletion

RECEIVED
MAR 0 1 1993
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Scot Childress Title Supervisor, Prod. Engineering Date January 29, 1993
W. Scot Childress

(State Use Only)

(8/90) See Instructions on Reverse Side

Form 3160-5
(NOVEMBER 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
EXPIRES: July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instruction on reverse side

5. Lease Serial No.
U-7206

6. If Indian, Allottee or Tribe Name

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other

7. If Unit or CA/ Agreement, Name and/or No.
RIVERBEND UNIT

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
11-15F

3a. Address
1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000

3b. Phone No. (include area code)
(504) 593-7000

9. API Well No.
43-047-~~30376~~ 30375

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,111' FWL & 1,991' FSL of Sec. 16-T10S-R20E

10. Field and Pool, or Exploratory Area
ISLAND

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[ ] Change Plans	[ ] Plug and Abandonment	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[X] Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

CNG Producing Company proposes to store brine water from the above referenced well in a 100 bbl tank on the well site. As the tank fills, water will be hauled and disposed of into the RBU 16-19F injection well in Sec. 19-T10S-R20E.

Attached is a revised site diagram for this well site.

RECEIVED
AUG 01 1997
DIV. OF OIL, GAS & MINING

14. I hereby certify that the forgoing is true and correct
Name (Printed/Typed)
SUSAN H. SACHITANA

Title
COORDINATOR, REGULATORY REPORTS

Signature
Susan H. Sachitana

Date
970725

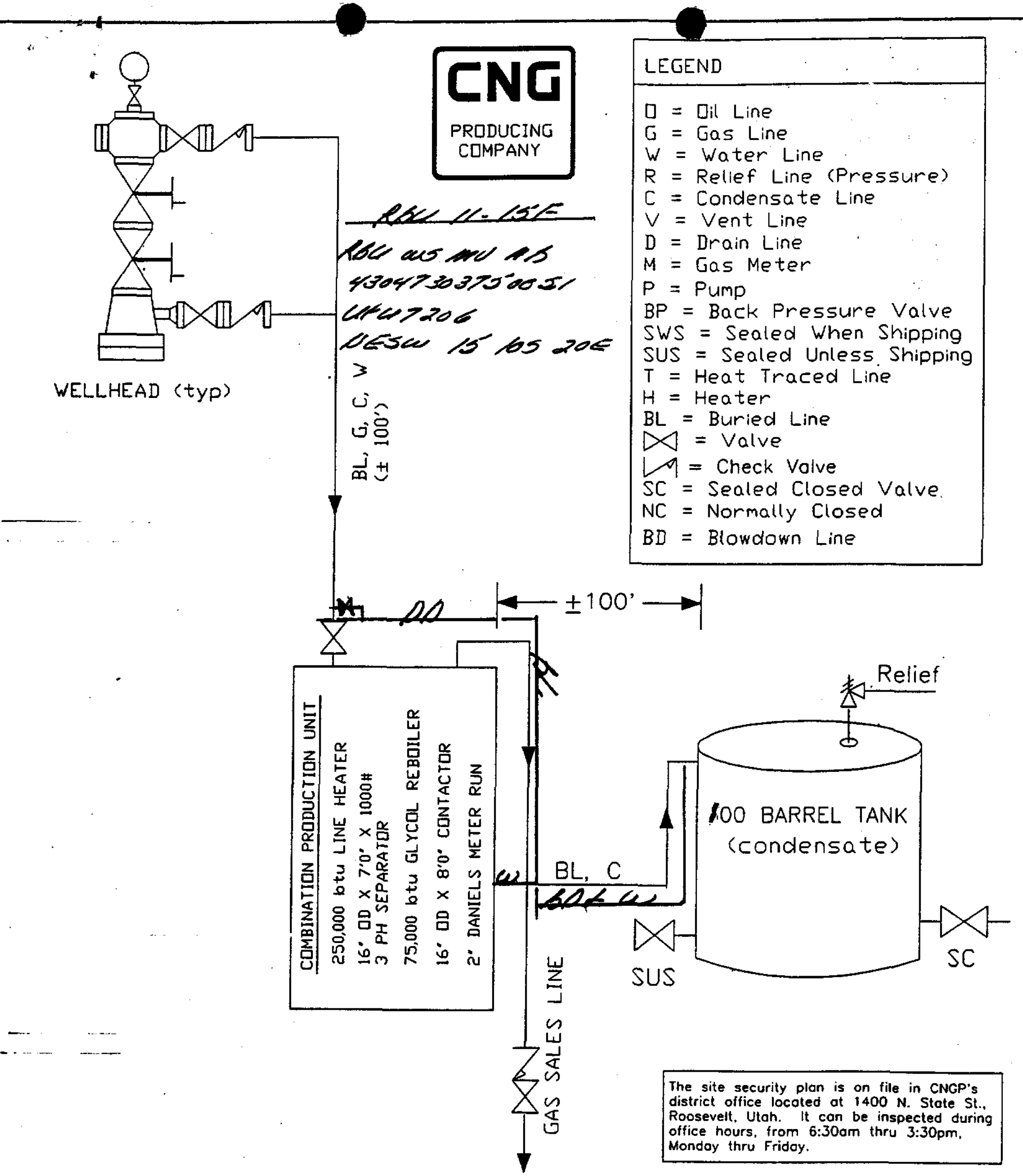
THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.


CNG
PRODUCING COMPANY
LEGEND
O = Oil Line
G = Gas Line
W = Water Line
R = Relief Line (Pressure)
C = Condensate Line
V = Vent Line
D = Drain Line
M = Gas Meter
P = Pump
BP = Back Pressure Valve
SWS = Sealed When Shipping
SUS = Sealed Unless Shipping
T = Heat Traced Line
H = Heater
BL = Buried Line
= Valve
= Check Valve
SC = Sealed Closed Valve
NC = Normally Closed
BD = Blowdown Line
RBU 11-15E
NESW 15 10S 20E
WELLHEAD (typ)
BL, G, C, W
(± 100')
±100'
COMBINATION PRODUCTION UNIT
250,000 btu LINE HEATER
16' OD X 7'0' X 1000#
3 PH SEPARATOR
75,000 btu GLYCOL REBOILER
16' OD X 8'0' CONTACTOR
2' DANIELS METER RUN
BL, C
GAS SALES LINE
Relief
00 BARREL TANK
(condensate)
SUS
SC
The site security plan is on file in CNGP's district office located at 1400 N. State St., Roosevelt, Utah. It can be inspected during office hours, from 6:30am thru 3:30pm, Monday thru Friday.

CNG PRODUCING COMPANY

Well: 11-15E	RIVER BEND FIELD, UINTAH COUNTY, UTAH	not to scale
OR\RBU\FLOW300 RBU	TYPICAL FLOW DIAGRAM	date: 5-22-96

Form 3160-5
(NOVEMBER 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
EXPIRES: July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to deepen or re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.
SUBMIT IN TRIPLICATE - Other instruction on reverse side

5. Lease Serial No.
U-7206

6. If Indian, Allottee or Tribe Name

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

7. If Unit or CA/ Agreement, Name and/or No.
RIVERBEND UNIT

2. Name of Operator
CNG PRODUCING COMPANY

8. Well Name and No.
11-15F

3a. Address
1450 POYDRAS ST, NEW ORLEANS, LA 70112-6000

3b. Phone No. (include area code)
(504) 593-7000

9. API Well No.
43-047-~~30376~~ 30375

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface - 2,111' FWL & 1,991' FSL of Sec. 16-T10S-R20E

10. Field and Pool, or Exploratory Area
ISLAND

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other PLUNGER LIFT
	☐ Change Plans	☐ Plug and Abandonment	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation have been completed, and the operator has determined that the site is ready for final inspection.)

Installed plunger lift equipment on above well. Well on plunger as of 12/31/97.

14. I hereby certify that the forgoing is true and correct
Name (Printed/Typed)
SUSAN H. SACHITANA

Title
COORDINATOR, REGULATORY REPORTS

Signature
Susan H. Sachitana

Date
980120

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-01470-A et al
(UT-932)

JUN 2 2000

NOTICE

Dominion Exploration & Production, Inc. 1450 Poydras Street New Orleans, LA 70112-6000	:	Oil and Gas Leases

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of CNG Producing Company to Dominion Exploration & Production, Inc. on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from your list of leases and a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

The following lease on your list is closed on the records of this office: U-029277.

Due to the name change, the name of the principal on the bond is required to be changed from CNG Producing Company to Dominion Exploration & Production, Inc. on Bond No. 524 7050 (BLM Bond No. WY1898). You may accomplish this name change either by consent of the surety on the original bond or by a rider to the original bond. Otherwise, a replacement bond with the new name should be furnished to the Wyoming State Office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

cc: Wyoming State Office
New Mexico State Office
Moab Field Office
Vernal Field Office
MMS–Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC, UT 84114-5801
Irene Anderson (UT-932)
Teresa Thompson (UT-931)
LaVerne Steah (UT-942)

Dominion Exploration & Production, Inc.
1450 Poydras Street, New Orleans, LA 70112-6000
Phone: 504-593-7000

Dominion

June 27, 2000

Mr. Jimmy Thompson
Utah Board of Oil Gas & Mining
1594 West North Temple
Suite 1210
Salt Lake City, UT 84114-5801

RE: Name Change Documentation for CNG Producing Company

Dear Mr. Thompson:

CNG Producing Company has become Dominion Exploration & Production, Inc. effective April 12, 2000. Enclosed please find a sundry regarding the name change with an attached listing of all the permits in the name of CNG Producing Company to be changed to Dominion Exploration & Production, Inc. Also enclosed please find a Form UIC 5 for the Transfer of Authority to Inject for the Federal #1-26B well.

If you have any questions or require any additional information, please contact me at (504) 593-7260.

Sincerely,

DOMINION EXPLORATION & PRODUCTION, INC.

Susan H. Sachitana

Susan H. Sachitana
Regulatory Reports Administrator

Enclosure

cc: Nelda Decker

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.	5. Lease Designation and Serial Number: VARIOUS 6. If Indian, Allottee or Tribe Name: 7. Unit Agreement Name:
1. Type of Well : OIL ☐ GAS ☐ OTHER:	8. Well Name and Number: VARIOUS
2. Name of Operator: DOMINION EXPLORATION & PRODUCTION, INC.	9. API Well Number
3. Address and Telephone Number: 1460 Poydras Street, New Orleans, LA 70112-6000 (504) 593-7260	10. Field and Pool, or Wildcat: Natural Buttes 630
4. Location of Well Footages: QQ, Sec, T., R., M.:	County: UINTAH State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (SUBMIT IN DUPLICATE)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandon	☐ New Construction	☐ Abandon*	☐ New Construction
☐ Repair Casing	☐ Pull or Alter Casing	☐ Repair Casing	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recomplete	☐ Change of Plans	☐ Reperforate
☐ Convert to Injection	☐ Reperforate	☐ Convert to Injection	☐ Vent or Flare
☐ Fracture Treat or Acidize	☐ Vent or Flare	☐ Fracture Treat or Acidize	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☒ Other OPERATOR NAME CHANGE FOR WELLS	
☐ Other		Date of work completion	
Approximate date work will start		Report results of Multiple Completion and Recompletion to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.	
		*Must be accompanied by a cement verification report.	

12. DESCRIBE PROPOSED OR COMPLETION OPERATIONS (Clearly State all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please be advised that effective April 12, 2000, CNG Producing Company has changed its name to Dominion Exploration & Production, Inc. and would like to transfer the well permits into the name of Dominion Exploration & Production, Inc. Our new bond has been filed and is pending approval with the State of Utah. The bond number is 76S 63050 361.

John R. Lewis
Sr. Vice-President - CNG Producing Company

RECEIVED
JUN 29 2000
DIVISION OF
OIL, GAS AND MINING

13.

Name & Signature: John R. Lewis Title: Sr. Vice-President - Dominion Expl. & Prod., Inc. Date: June 26, 2000

(This space for State use only)

(4/94) (See Instructions on Reverse Side)

1552814
CO 106990
File Number

State of Utah
DEPARTMENT OF COMMERCE
Division of Corporations & Commercial Code

Check Appropriate Box	
[X] Foreign Profit Corporation	$35.00
[ ] Foreign Non-Profit Corporation	$35.00
[ ] Foreign Limited Partnership	$25.00
[ ] Foreign Limited Liability Company	$35.00

Application To *Amend* The CERTIFICATE OF AUTHORITY OR REGISTRATION of

CNG Producing Company
Business Entity Name

Delaware
Name of Home State

I. AMENDING THE BUSINESS NAME

The business name is changed to: Dominion Exploration & Production, Inc.

The corporation shall use as its name in Utah: Dominion Exploration & Production, Inc.
(The corporation shall use its name as set forth on #1, unless this name is not available)

NOTE: If the business name has changed its name in the home state, a copy of the Certificate of Amendment or a certified copy of the amendment must accompany this application.

Check the following:

[X] The name of the corporation is changing it's name in Utah to the new name of the corporation in the home state.
[ ] The name of the corporation is being changed in Utah to comply with Utah State Insurance Regulations.

II. AMENDING THE DURATION OF THE BUSINESS EXISTENCE

The businesses period of duration is changed to: _____

III. AMENDING THE STATE OR COUNTRY OF INCORPORATION/REGISTRATION

The corporation's state or country of incorporation/registration is changed to:

_____

IV. Other: _____

(Limited Partnership changing General Partners, Limited Companies changing Members or Managers. Change of statement who is managing, etc.)
Use an attached sheet if needed.

Under penalties of perjury, I declare this Application to Amend the Certificate of Authority or Registration to be, to the best of my knowledge and belief, true and correct.

Signature — Vice President & Corporate Secretary — Title — April 20 2000 — Date

STATE OF UTAH
DIVISION OF CORPORATIONS
AND COMMERCIAL CODE
160 East 300 South / Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Web Site: http://www.commerce.state.ut.us

FILED

APR 25 2000

Utah Div. Of Corp. & Comm. Code

State of Utah
Department of Commerce
Division of Corporations and Commercial Code

I Hereby certify that the foregoing has been filed and approved on this 25 day of Apr 2000 in the office of this Division and hereby issue this Certificate thereof.

Examiner _____ Date 4/25/00

Date: 04/25/2000
Receipt Number: 22156
Amount Paid: $50.00

comm\forms\Misc\amendcer
Revised 01-14-00 mm
UTQ2 - 2/19/00 C T System Online

(2)

Well Name	Api Well Code	Operator Name	Production Status	Lease Type
EVANS FEDERAL #32-25	4304732406	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-25B	4304732445	DOMINION EXPLORATION & PR	LA	BLM
RBU #5-25B	4304732453	DOMINION EXPLORATION & PR	LA	BLM
RBU #11-25B	4304732482	DOMINION EXPLORATION & PR	LA	BLM
RBU #16-14EO	4304732507	DOMINION EXPLORATION & PR	LA	BLM
RBU #8-23EO	4304732508	DOMINION EXPLORATION & PR	LA	BLM
RBU #8-14EO	4304732514	DOMINION EXPLORATION & PR	LA	BLM
RBU #15-13EO	4304732599	DOMINION EXPLORATION & PR	LA	BLM
RBU #9-23EO	4304732601	DOMINION EXPLORATION & PR	LA	BLM
[redacted]	[redacted]	[redacted]	PR	STATE
STATE #2-36E	4304732979	DOMINION EXPLORATION & PR	~~LA~~ PGW	STATE
STATE #1-36E	4304733181	DOMINION EXPLORATION & PR	PR	STATE
RBU #1-16F	4304733360	DOMINION EXPLORATION & PR	DR	STATE
RBU #5-3F	4304733361	DOMINION EXPLORATION & PR	FUT	[redacted] BLM
RBU #5-16F	4304733363	DOMINION EXPLORATION & PR	PR	BLM
RBU #10-23F	4304733367	DOMINION EXPLORATION & PR	DR	BLM
EVANS FEDERAL #15-26E	4304733508	DOMINION EXPLORATION & PR	FUT	BLM
EVANS FEDERAL #9-26E	4304733509	DOMINION EXPLORATION & PR	FUT	BLM
EVANS FEDERAL #10-25E	4304733510	DOMINION EXPLORATION & PR	FUT	BLM
EVANS FEDERAL #14-25E	4304733511	DOMINION EXPLORATION & PR	FUT	BLM
FEDERAL #13-30B	4304733581	DOMINION EXPLORATION & PR	FUT	BLM
STATE #13-36A	4304733598	DOMINION EXPLORATION & PR	FUT	STATE
RBU #1-10	4304733599	DOMINION EXPLORATION & PR	FUT	BLM
OSC #1-17 *	430472030800S1	DOMINION EXPLORATION & PR	SIEC	BLM
OSC #2 *	430473008700S1	DOMINION EXPLORATION & PR	PR	[redacted] BLM
OSC #4 *	430473011300S1	DOMINION EXPLORATION & PR	TA	BLM
OSC #4A-30 *	430473012200S1	DOMINION EXPLORATION & PR	SIEC	BLM
OSC #7-15E *	430473021100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-16E	430473026000S1	DOMINION EXPLORATION & PR	PR	STATE
RBU #11-18F	430473026600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-13E	430473037400S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-15F	430473037500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-21F	430473037600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-19F	430473040500S1	DOMINION EXPLORATION & PR	PR	BLM
FEDERAL #7-25B	430473040600S01	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-10E	430473040800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #5-11D	430473040900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-14E	430473041000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-23E	430473041100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-16F	430473041200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-17F	430473058400S1	DOMINION EXPLORATION & PR	PA	BLM
RBU #7-11F	430473058500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #8-16D	4304730608	DOMINION EXPLORATION & PR	PA	STATE
FEDERAL #7-25A	430473062400S01	DOMINION EXPLORATION & PR	PA	BLM
RBU #11-3F	430473068900S1	DOMINION EXPLORATION & PR	PR	[redacted] BLM
RBU #11-22E	430473069800S1	DOMINION EXPLORATION & PR	PA	BLM
RBU #4-11D	430473071800S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-23F	4304730719	DOMINION EXPLORATION & PR	PA	BLM
RBU #7-3E	430473072000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-24E	430473075900S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #11-2F	430473076000S1	DOMINION EXPLORATION & PR	PR	[redacted] STATE
RBU #7-10F	430473076100S1	DOMINION EXPLORATION & PR	PR	[redacted] BLM
RBU #6-20F	430473076200S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #7-22F	430473076800S1	DOMINION EXPLORATION & PR	PR	BIA
RBU #8-14F	430473082500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #2-11D	430473082600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #16-3F	430473088700S1	DOMINION EXPLORATION & PR	PR	[redacted] BLM
RBU #1-15E	430473091500S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-14E	430473092600S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-22E	430473092700S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-23E	430473097000S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #4-19F	430473097100S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #13-11F	430473097300S1	DOMINION EXPLORATION & PR	PR	BLM
RBU #1-10E	430473104600S1	DOMINION EXPLORATION & PR	PR	BLM

Division of Oil, Gas and Mining

ROUTING:

[redacted]	4-KAS ✓
2-CDW ✓	5-SJT ✓
3-JLT	6-FILE

OPERATOR CHANGE WORKSHEET

Check each listed item when completed. Write N/A if item is not applicable.

Change of Operator (Well Sold) Designation of Agent

X Operator Name Change Only Merger

The operator of the well(s) listed below has changed, **effective**: **4-12-00**

TO:(New Operator) DOMINION EXPL & PROD INC.
Address: 1450 POYDRAS STREET
NEW ORLEANS, LA 70112-6000

Phone: 1-(504)-593-7000
Account No. N1095

FROM:(Old Operator) CNG PRODUCING COMPANY
Address: 1450 POYDRAS STREET
NEW ORLEANS, LA 70112-6000

Phone: 1-(504)-593-7000
Account No. N0605

WELL(S): **CA Nos.** _____ or **RIVER BEND** **Unit**

Name: RBU 8-23EO	API: 43-047-32508	Entity: 99998	S 23	T 10S	R 19E	Lease: U-013766
Name: RBU 16-14EO	API: 43-047-32507	Entity: 99998	S 14	T 10S	R 19E	Lease: U-013792
Name: RBU 15-13EO	API: 43-047-32599	Entity: 99998	S 13	T 10S	R 19E	Lease: U-013765
Name: RBU 9-23EO	API: 43-047-32601	Entity: 99998	S 23	T 10S	R 19E	Lease: U-013766
Name: RBU 5-3F	API: 43-047-33361	Entity: 99999	S 03	T 10S	R 20E	Lease: U-013767
Name: RBU 5-16F	API: 43-047-33363	Entity: 7052	S 16	T 10S	R 20E	Lease: U-7206
Name: RBU 10-23F	API: 43-047-33367	Entity: 7050	S 23	T 10S	R 20E	Lease: U-01470-A
Name: RBU 11-18F	API: 43-047-30266	Entity: 7050	S 18	T 10S	R 20E	Lease: U-013793
Name: RBU 11-13E	API: 43-047-30374	Entity: 7050	S 13	T 10S	R 19E	Lease: U-013765
Name: RBU 11-15F	API: 43-047-30375	Entity: 7050	S 15	T 10S	R 20 E	Lease: U-7206
Name: RBU 7-21F	API: 43-047-30376	Entity: 7050	S 21	T 10S	R 20E	Lease: U-013793-A
Name: RBU 11-19F	API: 43-047-30405	Entity: 7050	S 19	T 10S	R 20 E	Lease: U-013769-A
Name: RBU 11-10E	API: 43-047-30408	Entity: 7050	S 10	T 10S	R 19E	Lease: U-013792
Name: RBU 5-11D	API: 43-047-30409	Entity: 9005	S 11	T 10S	R 18E	Lease: U-013818-A
Name: RBU 11-14E	API: 43-047-30410	Entity: 7050	S 14	T 10S	R 19E	Lease: U-013792
Name: RBU 11-23E	API: 43-047-30411	Entity: 7050	S 23	T 10S	R 19E	Lease: U-013766
Name: RBU 11-17F	API: 43-047-30584	Entity: 7050	S 17	T 10S	R 20E	Lease: U-013769-C

OPERATOR CHANGE DOCUMENTATION

YES 1. A **pending operator change file** has been set up.

YES 2. (R649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator on 6-29-00.

YES 3. (R649-8-10) Sundry or other legal documentation has been received from the **NEW** operator on 6-29-00.

YES 4. The new company has been looked up in the **Department of Commerce, Division of Corporations Database** if the new operator above is not currently operating any wells in Utah. Is the operator registered with the State? **Yes**/No If yes, the company file number is **SEE ATTACHED**. If no, Division letter was mailed to the new operator on _____.

YES 5. **Federal and Indian Lea[redacted]Wells.** The BLM or the BIA has approved[redacted] merger, **name change** or operator change for all wells listed above involving Federal or Indian leases on 6-2-00.

N/A 6. **Federal and Indian Units.** The BLM or the BIA has approved the successor of unit operator for all wells listed above involving unit operations on _____.

N/A 7. **Federal and Indian Communitization Agreements ("CA").** The BLM or the BIA has approved the operator change for all wells listed above involved in the CA on _____.

N/A 8. **Underground Injection Control ("UIC") Program.** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project and/or for the water disposal well(s) listed above.

YES 9. Changes have been entered in the **Oil and Gas Information System** for each well listed on 7-26-00.

YES 10. Changes have been included on the **Monthly Operator Change letter** on 7-26-00.

STATE BOND VERIFICATION

N/A 1. State Well(s) covered by Bond No. _____.

FEE WELLS - BOND VERIFICATION / LEASE INTEREST OWNER NOTIFICATION

N/A 1. (R649-3-1) The **NEW** operator of any fee lease well(s) listed above has furnished a proper bond.

N/A 2. A **copy of this form** has been placed in the **new and former operator's bond files** on _____.

N/A 3. The **FORMER** operator has requested a release of liability from their bond as of todays date _____? If yes, Division response was made to this request by letter dated _____. (see bond file).

N/A 4. (R649-2-10) The **Former** operator of any Fee lease wells listed above has been contacted and informed by letter dated _____, of their responsibility to notify all interest owners of this change.

N/A 5. Bond information added to **RBDMS** on_____.

N/A 6. Fee wells attached to bond in **RBDMS** on_____.

FILMING

____ 1. All attachments to this form have been **microfilmed** on 2-22-01.

FILING

____ 1. **Originals/Copies** of all attachments pertaining to each individual well have been filed in each **well file.**

____ 2. The **original of this form** has been filed in the operator file and a copy in the old operator file.

COMMENTS

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
Dominion Exploration & Production, Inc.

3a. Address
Suite 600
14000 QUAIL SPGS PKWY, OKLA CITY, OK 73134

3b. Phone No. (include area code)
405-749-1300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 15-10S-20E

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Altering Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	[X] Other Line Work
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Dig up end of 4" in Sec. 15-10S-20E, change 3" riser to 4" riser to pig line from tap 4 to Willow Creek. All work will be done on right-of-way.

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 9/26/02
By: DKR

Federal Approval Of This
Action Is Necessary
9-22-02
CHD

RECEIVED
SEP 26 2002
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) Carla Christian
Title Regulatory Specialist
Signature Carla Christian
Date 9/23/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by
Title
Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Form 3160-5
(August, 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
U-7206

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Riverbend Unit

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other

8. Well Name and No.
RBU 11-15F

2. Name of Operator
Dominion Exploration & Production, Inc.

9. API Well No.
43-047-30375

3a. Address
Suite 600
14000 Quail Springs Parkway, OKC, OK 73134

3b. Phone No. (include area code)
(405) 749-5263

10. Field and Pool, or Exploratory Area
Natural Buttes

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2111' FWL & 1991' FSL, Sec. 15-10S-20E

11. County or Parish, State
Uintah, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
[ ] Subsequent Report	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other Change out riser.
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Change out a 2' section of 3" riser to a 4" riser, to allow for pigging.

RECEIVED
OCT 15 2002
DIVISION OF OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed) Carla Christian — Title Regulatory Specialist

Signature Carla Christian — Date 10/9/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Accepted by the Utah Division of Oil, Gas and Mining
Date: 10/16/2002
By: [signature]

Federal Approval Of This Action Is Necessary

10-17-02 CHD

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **7/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N1095-Dominion Exploration & Production, Inc	N2615-XTO Energy Inc
14000 Quail Springs Parkway, Suite 600	810 Houston St
Oklahoma City, OK 73134	Fort Worth, TX 76102
Phone: 1 (405) 749-1300	Phone: 1 (817) 870-2800

CA No. **Unit:** **RIVER BEND**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 8/6/2007
4a. Is the new operator registered in the State of Utah: _____ Business Number: 5655506-0143
4b. If **NO**, the operator was contacted contacted on:
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: _____
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: _____
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/27/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/27/2007
3. Bond information entered in RBDMS on: 9/27/2007
4. Fee/State wells attached to bond in RBDMS on: 9/27/2007
5. Injection Projects to new operator in RBDMS on: 9/27/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000138
2. Indian well(s) covered by Bond Number: n/a
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762
3b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER _____

8. WELL NAME and NUMBER: SEE ATTACHED

2. NAME OF OPERATOR: XTO Energy Inc. N2615

9. API NUMBER: SEE ATTACHED

3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102

PHONE NUMBER: (817) 870-2800

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
_____	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
N1095

James D Abercrombie (405) 749-1300
James D. Abercrombie
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) Edwin S. Ryan, Jr. TITLE Sr. Vice President - Land Administration

SIGNATURE Edwin S. Ryan, Jr. DATE 7/31/2007

(This space for State use only)

APPROVED 9/27/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
AUG 06 2007
DIV. OF OIL, GAS & MINING

(5/2000)

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730087	OSCU 2	NWSE	03	100S	200E	U-037164	7050	Federal	GW	P
4304730266	RBU 11-18F	NESW	18	100S	200E	U-013793	7050	Federal	GW	P
4304730374	RBU 11-13E	NESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304730375	RBU 11-15F	NESW	15	100S	200E	U-7206	7050	Federal	GW	P
4304730376	RBU 7-21F	SWNE	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304730405	RBU 11-19F	NESW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304730408	RBU 11-10E	NESW	10	100S	190E	U-013792	7050	Federal	GW	P
4304730410	RBU 11-14E	NESW	14	100S	190E	U-013792	7050	Federal	GW	P
4304730411	RBU 11-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304730412	RBU 11-16F	NESW	16	100S	200E	U-7206	7050	Federal	GW	P
4304730585	RBU 7-11F	SWNE	11	100S	200E	U-01790	7050	Federal	GW	P
4304730689	RBU 11-3F	NESW	03	100S	200E	U-013767	7050	Federal	GW	P
4304730720	RBU 7-3E	SWNE	03	100S	190E	U-013765	7050	Federal	GW	P
4304730759	RBU 11-24E	NESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304730761	RBU 7-10F	SWNE	10	100S	200E	U-7206	7050	Federal	GW	P
4304730762	RBU 6-20F	SENW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304730768	RBU 7-22F	SWNE	22	100S	200E	14-20-H62-2646	7050	Indian	GW	P
4304730887	RBU 16-3F	SESE	03	100S	200E	U-037164	7050	Federal	GW	P
4304730915	RBU 1-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304730926	RBU 1-14E	NENE	14	100S	190E	U-013792	7050	Federal	GW	P
4304730927	RBU 1-22E	NENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304730970	RBU 1-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P
4304730971	RBU 4-19F	NWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304730973	RBU 13-11F	SWSW	11	100S	200E	U-7206	7050	Federal	WD	A
4304731046	RBU 1-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	S
4304731115	RBU 16-16F	SESE	16	100S	200E	U-7206	7050	Federal	GW	P
4304731140	RBU 12-18F	NWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304731141	RBU 3-24E	NENW	24	100S	190E	U-013794	7050	Federal	GW	P
4304731143	RBU 3-23E	NENW	23	100S	190E	U-013766	7050	Federal	GW	P
4304731144	RBU 9-23E	NESE	23	100S	190E	U-013766	7050	Federal	GW	P
4304731145	RBU 9-14E	NESE	14	100S	190E	U-013792	7050	Federal	GW	P
4304731160	RBU 3-15E	NENW	15	100S	190E	U-013766	7050	Federal	GW	P
4304731161	RBU 10-15E	NWSE	15	100S	190E	U-013766	7050	Federal	GW	P
4304731176	RBU 9-10E	NESE	10	100S	190E	U-013792	7050	Federal	GW	P
4304731196	RBU 3-14E	SENW	14	100S	190E	U-013792	7050	Federal	GW	P
4304731252	RBU 8-4E	SENE	04	100S	190E	U-013792	7050	Federal	GW	P
4304731322	RBU 1-19F	NENE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304731323	RBU 5-10E	SWNW	10	100S	190E	U-013792	7050	Federal	GW	P
4304731369	RBU 3-13E	NENW	13	100S	190E	U-013765	7050	Federal	GW	P
4304731518	RBU 16-3E	SESE	03	100S	190E	U-035316	7050	Federal	GW	P
4304731519	RBU 11-11F	NESW	11	100S	200E	U-7206	7050	Federal	GW	P
4304731520	RBU 1-17F	NENE	17	100S	200E	U-013769-B	7050	Federal	GW	P
4304731605	RBU 9-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	P
4304731606	RBU 3-22E	NENW	22	100S	190E	U-013792	7050	Federal	GW	P
4304731607	RBU 8-24E	SENE	24	100S	190E	U-013794	7050	Federal	GW	P
4304731608	RBU 15-18F	SWSE	18	100S	200E	U-013794	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304731613	RBU 5-11F	SWNW	11	100S	200E	U-7206	7050	Federal	GW	P
4304731615	RBU 4-22F	NWNW	22	100S	200E	U-0143521-A	7050	Federal	GW	S
4304731652	RBU 6-17E	SWNW	17	100S	190E	U-03535	7050	Federal	GW	P
4304731715	RBU 5-13E	SWNW	13	100S	190E	U-013765	7050	Federal	GW	P
4304731717	RBU 13-13E	SWSW	13	100S	190E	U-013765	7050	Federal	GW	P
4304731739	RBU 9-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P
4304732033	RBU 13-14E	SWSW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732037	RBU 11-3E	NESW	03	100S	190E	U-013765	7050	Federal	GW	P
4304732038	RBU 6-18F	SENW	18	100S	200E	U-013769	7050	Federal	GW	P
4304732040	RBU 15-24E	SWSE	24	100S	190E	U-013794	7050	Federal	GW	P
4304732041	RBU 5-14E	SWNW	14	100S	190E	U-013792	7050	Federal	GW	P
4304732050	RBU 12-20F	NWSW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732051	RBU 7-13E	SWNE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732070	RBU 16-19F	SESE	19	100S	200E	U-013769-A	7050	Federal	WD	A
4304732071	RBU 9-22E	NESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304732072	RBU 15-34B	SWSE	34	090S	190E	U-01773	7050	Federal	GW	P
4304732073	RBU 11-15E	NESW	15	100S	190E	U-013766	7050	Federal	GW	P
4304732074	RBU 13-21F	SWSW	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732075	RBU 10-22F	NWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304732081	RBU 9-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732082	RBU 15-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P
4304732083	RBU 13-24E	SWSW	24	100S	190E	U-013794	7050	Federal	GW	P
4304732095	RBU 3-21E	NENW	21	100S	190E	U-013766	7050	Federal	GW	P
4304732103	RBU 15-17F	SWSE	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732105	RBU 13-19F	SWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304732107	RBU 1-21E	NENE	21	100S	190E	U-013766	7050	Federal	GW	P
4304732128	RBU 9-21E	NESE	21	100S	190E	U-013766	7050	Federal	GW	P
4304732129	RBU 9-17E	NESE	17	100S	190E	U-03505	7050	Federal	GW	P
4304732133	RBU 13-14F	SWSW	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304732134	RBU 9-11F	NESE	11	100S	200E	U-7206	7050	Federal	GW	P
4304732138	RBU 5-21F	SWNW	21	100S	200E	U-013793	7050	Federal	GW	P
4304732146	RBU 1-20E	NENE	20	100S	190E	U-03505	7050	Federal	GW	P
4304732149	RBU 8-18F	SENE	18	100S	200E	U-013769	7050	Federal	GW	P
4304732153	RBU 13-23E	SWSW	23	100S	190E	U-13766	7050	Federal	GW	P
4304732154	RBU 5-24E	SWNW	24	100S	190E	U-013794	7050	Federal	GW	P
4304732156	RBU 5-14F	SWNW	14	100S	200E	U-013793A	7050	Federal	GW	P
4304732166	RBU 7-15E	SWNE	15	100S	190E	U-013766	7050	Federal	GW	P
4304732167	RBU 15-13E	SWSE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732189	RBU 13-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P
4304732190	RBU 15-10E	SWSE	10	100S	190E	U-013792	7050	Federal	GW	P
4304732191	RBU 3-17FX	NENW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732197	RBU 13-15E	SWSW	15	100S	190E	U-013766	7050	Federal	GW	P
4304732198	RBU 7-22E	SWNE	22	100S	190E	U-013792	7050	Federal	GW	P
4304732199	RBU 5-23E	SWNW	23	100S	190E	U-013766	7050	Federal	GW	P
4304732201	RBU 13-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	S
4304732211	RBU 15-15E	SWSE	15	100S	190E	U-013766	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

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api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304732213	RBU 5-19F	SWNW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304732217	RBU 9-17F	NESE	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732219	RBU 15-14E	SWSE	14	100S	190E	U-013792	7050	Federal	GW	P
4304732220	RBU 5-3E	SWNW	03	100S	190E	U-03505	7050	Federal	GW	P
4304732228	RBU 9-3E	NESE	03	100S	190E	U-035316	7050	Federal	GW	P
4304732239	RBU 7-14E	SWNE	14	100S	190E	U-103792	7050	Federal	GW	P
4304732240	RBU 9-14F	NESE	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304732242	RBU 5-22E	SWNW	22	100S	190E	U-013792	7050	Federal	GW	P
4304732263	RBU 8-13E	SENE	13	100S	190E	U-013765	7050	Federal	GW	P
4304732266	RBU 9-21F	NESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732267	RBU 5-10F	SWNW	10	100S	200E	U-7206	7050	Federal	GW	P
4304732268	RBU 9-10F	NESE	10	100S	200E	U-7206	7050	Federal	GW	P
4304732269	RBU 4-15F	NWNW	15	100S	200E	INDIAN	7050	Indian	GW	PA
4304732270	RBU 14-22F	SESW	22	100S	200E	U-0143519	7050	Federal	GW	P
4304732276	RBU 5-21E	SWNW	21	100S	190E	U-013766	7050	Federal	GW	P
4304732289	RBU 7-10E	SWNE	10	100S	190E	U-013792	7050	Federal	GW	P
4304732290	RBU 5-17F	SWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304732293	RBU 3-3E	NENW	03	100S	190E	U-013765	7050	Federal	GW	P
4304732295	RBU 13-22E	SWSW	22	100S	190E	U-013792	7050	Federal	GW	P
4304732301	RBU 7-21E	SWNE	21	100S	190E	U-013766	7050	Federal	GW	P
4304732309	RBU 15-21F	SWSE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732310	RBU 15-20F	SWSE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732312	RBU 9-24E	NESE	24	100S	190E	U-013794	7050	Federal	GW	P
4304732313	RBU 3-20F	NENW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304732315	RBU 11-21F	NESW	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304732317	RBU 15-22E	SWSE	22	100S	190E	U-013792	7050	Federal	GW	P
4304732328	RBU 3-19FX	NENW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304732331	RBU 2-11F	NWNE	11	100S	200E	U-01790	7050	Federal	GW	P
4304732347	RBU 3-11F	NENW	11	100S	200E	U-7206	7050	Federal	GW	P
4304732391	RBU 2-23F	NWNE	23	100S	200E	U-013793-A	7050	Federal	GW	S
4304732392	RBU 11-14F	NESW	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304732396	RBU 3-21F	NENW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304732407	RBU 15-14F	SWSE	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304732408	RBU 4-23F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304732415	RBU 3-10EX (RIG SKID)	NENW	10	100S	190E	UTU-035316	7050	Federal	GW	P
4304732483	RBU 5-24EO	SWNW	24	100S	190E	U-013794	11719	Federal	OW	S
4304732512	RBU 8-11F	SENE	11	100S	200E	U-01790	7050	Federal	GW	P
4304732844	RBU 15-15F	SWSE	15	100S	200E	14-20-H62-2646	7050	Indian	GW	P
4304732899	RBU 3-14F	NENW	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304732900	RBU 8-23F	SENE	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304732901	RBU 12-23F	NWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P
4304732902	RBU 1-15F	NENE	15	100S	200E	U-7260	7050	Federal	GW	S
4304732903	RBU 3-15F	NENW	15	100S	200E	U-7260	7050	Federal	GW	P
4304732904	RBU 9-15F	NESE	15	100S	200E	U-7260	7050	Federal	GW	P
4304732934	RBU 3-10F	NENW	10	100S	200E	U-7206	7050	Federal	GW	P
4304732969	RBU 11-10F	NESW	10	100S	200E	U-7206	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

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api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304732970	RBU 12-15F	NWSW	15	100S	200E	U-7206	7050	Federal	GW	P
4304732971	RBU 15-16F	SWSE	16	100S	200E	U-7206	7050	Federal	GW	S
4304732972	RBU 1-21F	NENE	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304732989	RBU 13-10E	SWSW	10	100S	190E	U-013792	7050	Federal	GW	P
4304732990	RBU 13-18F2	SWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304732991	RBU 6-19F	SENW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304733033	RBU 7-23E	NWNE	23	100S	190E	U-013766	7050	Federal	GW	P
4304733034	RBU 9-18F	NESE	18	100S	200E	U-013794	7050	Federal	GW	P
4304733035	RBU 14-19F	SESW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304733087	RBU 6-23F	SENW	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304733088	RBU 1-10F	NENE	10	100S	200E	U-7206	7050	Federal	GW	P
4304733089	RBU 8-22F	SENE	22	100S	200E	U-0143521	7050	Federal	GW	P
4304733090	RBU 11-22F	NESW	22	100S	200E	U-0143519	7050	Federal	GW	P
4304733091	RBU 16-22F	SESE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304733156	RBU 4-14E	NWNW	14	100S	190E	U-013792	7050	Federal	GW	P
4304733157	RBU 7-19F	SWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304733158	RBU 7-20F	SWNE	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304733159	RBU 7-24E	SWNE	24	100S	190E	U-013794	7050	Federal	GW	P
4304733160	RBU 8-15E	SENE	15	100S	190E	U-013766	7050	Federal	GW	P
4304733161	RBU 16-10E	SESE	10	100S	190E	U-013792	7050	Federal	GW	P
4304733194	RBU 2-14E	NWNE	14	100S	190E	U-013792	7050	Federal	GW	P
4304733272	RBU 13-3F	SWSW	03	100S	200E	U-013767	7050	Federal	GW	P
4304733361	RBU 5-3F	SWNW	03	100S	200E	U-013767	7050	Federal	GW	P
4304733362	RBU 15-10F	SWSE	10	100S	200E	U-7206	7050	Federal	GW	P
4304733363	RBU 5-16F	SWNW	16	100S	200E	U-7206	7050	Federal	GW	P
4304733365	RBU 12-14E	NWSW	14	100S	190E	U-013792	7050	Federal	GW	P
4304733366	RBU 5-18F	SWNW	18	100S	200E	U-013769	7050	Federal	GW	P
4304733367	RBU 10-23F	NWSE	23	100S	200E	U-01470-A	7050	Federal	GW	P
4304733368	RBU 14-23F	SESW	23	100S	200E	U-01470-A	7050	Federal	GW	S
4304733424	RBU 5-20F	SWNW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304733643	RBU 2-13E	NWNE	13	100S	190E	U-013765	7050	Federal	GW	P
4304733644	RBU 4-13E	NWNW	13	100S	190E	U-013765	7050	Federal	GW	P
4304733714	RBU 4-23E	NWNW	23	100S	190E	U-013766	7050	Federal	GW	P
4304733715	RBU 6-13E	SENW	13	100S	190E	U-013765	7050	Federal	GW	P
4304733716	RBU 10-14E	NWSE	14	100S	190E	U-013792	7050	Federal	GW	P
4304733838	RBU 8-10E	SENE	10	100S	190E	U-013792	7050	Federal	GW	P
4304733839	RBU 12-23E	NWSW	23	100S	190E	U-013766	7050	Federal	GW	P
4304733840	RBU 12-24E	NWSW	24	100S	190E	U-013794	7050	Federal	GW	P
4304733841	RBU 14-23E	SESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304734302	RBU 1-23F	NENE	23	100S	200E	UTU-013793-A	7050	Federal	GW	P
4304734661	RBU 16-15E	SESE	15	100S	190E	U-013766	7050	Federal	GW	P
4304734662	RBU 10-14F	NWSE	14	100S	200E	U-013793-A	7050	Federal	GW	P
4304734663	RBU 6-14E	SENW	14	100S	190E	U-013792	7050	Federal	GW	P
4304734670	RBU 8-23E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P
4304734671	RBU 4-24E	NENE	23	100S	190E	U-013766	7050	Federal	GW	P
4304734701	RBU 12-11F	SENW	11	100S	200E	U-7206	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

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api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304734702	RBU 2-15E	NWNE	15	100S	190E	U-013766	7050	Federal	GW	P
4304734703	RBU 4-17F	NWNW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734745	RBU 10-20F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734749	RBU 7-18F	SWNE	18	100S	200E	U-013769	7050	Federal	GW	P
4304734750	RBU 12-10F	SWSW	10	100S	200E	14-20-H62-2645	7050	Indian	GW	P
4304734810	RBU 10-13E	NWSE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734812	RBU 1-24E	NENE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734826	RBU 12-21F	NESE	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734828	RBU 4-15E	NWNW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734844	RBU 14-14E	SESW	14	100S	190E	U-013792	7050	Federal	GW	P
4304734845	RBU 10-24E	NWSE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734888	RBU 4-21E	NWNW	21	100S	190E	U-013766	7050	Federal	GW	P
4304734889	RBU 16-24E	SESE	24	100S	190E	U-13794	7050	Federal	GW	P
4304734890	RBU 12-18F2	NWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304734891	RBU 10-23E	NESW	23	100S	190E	U-013766	7050	Federal	GW	P
4304734892	RBU 8-22E	SENE	22	100S	190E	U-013792	7050	Federal	GW	P
4304734906	RBU 6-22E	SENW	22	100S	190E	U-013792	7050	Federal	GW	P
4304734907	RBU 2-24E	NWNE	24	100S	190E	U-013794	7050	Federal	GW	P
4304734910	RBU 4-16F	NWNW	16	100S	200E	U-7206	7050	Federal	GW	P
4304734911	RBU 12-19F	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734912	RBU 14-20F	SESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304734942	RBU 1-22F	NWNW	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304734945	RBU 8-19F	SENE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734946	RBU 8-20F	SENE	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304734962	RBU 12-17F	NWSW	17	100S	200E	U-013769-C	7050	Federal	GW	P
4304734963	RBU 2-17F	NWNE	17	100S	200E	U-013769-C	14117	Federal	GW	P
4304734966	RBU 14-18F	SESW	18	100S	200E	U-013793	7050	Federal	GW	P
4304734967	RBU 10-18F	NWSE	18	100S	200E	U-013794	7050	Federal	GW	P
4304734968	RBU 10-19F	NWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304734969	RBU 10-3E	NWSE	03	100S	190E	U-035316	7050	Federal	GW	P
4304734970	RBU 12-3E	NWSW	03	100S	190E	U-013765	7050	Federal	GW	P
4304734971	RBU 15-3E	SWSE	03	100S	190E	U-35316	7050	Federal	GW	P
4304734974	RBU 12-10E	NWSW	10	100S	190E	U-013792	14025	Federal	GW	P
4304734975	RBU 14-10E	NENW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734976	RBU 16-13E	SESE	13	100S	190E	U-013765	7050	Federal	GW	P
4304734977	RBU 8-14E	SENE	14	100S	190E	U-013792	7050	Federal	GW	P
4304734978	RBU 6-15E	SENW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734979	RBU 12-15E	NWSW	15	100S	190E	U-013766	7050	Federal	GW	P
4304734981	RBU 16-17E	SESE	17	100S	190E	U-013766	7050	Federal	GW	P
4304734982	RBU 8-21E	SENE	21	100S	190E	U-013766	7050	Federal	GW	P
4304734983	RBU 4-22E	NWNW	22	100S	190E	U-013792	7050	Federal	GW	P
4304734986	RBU 2-20F	NWNE	20	100S	200E	U-03505	7050	Federal	GW	P
4304734987	RBU 9-20E	SWNW	21	100S	190E	U-03505	7050	Federal	GW	P
4304734989	RBU 7-20E	NENE	20	100S	190E	U-03505	7050	Federal	GW	P
4304734990	RBU 8-20E	SWNW	21	100S	190E	U-03505	14164	Federal	GW	P
4304735041	RBU 16-23E	SWSE	23	100S	190E	U-013766	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

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api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304735042	RBU 12-22E	NWSW	22	100S	190E	U-013792	14165	Federal	GW	P
4304735058	RBU 7-23F	SWNE	23	100S	200E	U-013793-A	7050	Federal	GW	P
4304735059	RBU 12-13E	NWSW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735060	RBU 14-13E	SESW	13	100S	190E	U-013765	7050	Federal	GW	P
4304735061	RBU 2-22E	NWNE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735062	RBU 6-24E	SENW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735082	RBU 4-17E	NWNW	17	100S	190E	U-03505	7050	Federal	GW	P
4304735086	RBU 16-14E	NENE	23	100S	190E	U-013792	7050	Federal	GW	P
4304735087	RBU 2-3E	NWNE	03	100S	190E	U-013765	7050	Federal	GW	P
4304735088	RBU 6-3E	SENW	03	100S	190E	U-03505	7050	Federal	GW	P
4304735100	RBU 10-10E	NWSE	10	100S	190E	U-013792	7050	Federal	GW	P
4304735101	RBU 16-22E	SESE	22	100S	190E	U-013792	7050	Federal	GW	P
4304735112	RBU 14-24E	SESW	24	100S	190E	U-013794	7050	Federal	GW	P
4304735129	RBU 6-21F	SENW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735170	RBU 1-9E	NESE	09	100S	190E	U-03505	7050	Federal	GW	P
4304735171	RBU 16-9E	NESE	09	100S	190E	U-013765	7050	Federal	GW	P
4304735232	RBU 14-21F	SESW	21	100S	200E	U-0143520	7050	Federal	GW	P
4304735250	RBU 13-19F2	NWSW	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735251	RBU 15-19F	SWSE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304735270	RBU 16-21E	SESE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735304	RBU 13-20F	SWSW	20	100S	200E	U-013769	7050	Federal	GW	P
4304735305	RBU 4-21F	NWNW	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304735306	RBU 16-21F	SESE	21	100S	200E	U-0143520-A	7050	Federal	GW	P
4304735468	RBU 15-22F	SWSE	22	100S	200E	U-01470-A	7050	Federal	GW	P
4304735469	RBU 11-23F	SENW	23	100S	200E	U-01470A	7050	Federal	GW	P
4304735549	RBU 1-14F	NENE	14	100S	200E	UTU-013793-A	7050	Federal	GW	P
4304735640	RBU 2-21E	NWNE	21	100S	190E	U-013766	7050	Federal	GW	P
4304735644	RBU 10-17E	NWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304735645	RBU 12-21E	NWSW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736200	RBU 8-17E	SWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736201	RBU 15-17EX	SWSE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736293	RBU 2-10E	NWNE	10	100S	190E	U-013792	7050	Federal	GW	P
4304736294	RBU 6-10E	NENW	10	100S	190E	U-013792	7050	Federal	GW	P
4304736296	RBU 6-21E	SENW	21	100S	190E	U-013766	7050	Federal	GW	P
4304736297	RBU 10-22E	NWSE	22	100S	190E	U-013792	7050	Federal	GW	P
4304736318	RBU 14-22E	SESW	22	100S	190E	U-013792	7050	Federal	GW	P
4304736427	RBU 9-15E	NESE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304736428	RBU 2-17E	NWNE	17	100S	190E	U-013766	7050	Federal	GW	P
4304736429	RBU 1-17E	NENE	17	100S	190E	U-013766	7050	Federal	GW	DRL
4304736432	RBU 3-19F2	NWNW	19	100S	200E	U-013769-A	15234	Federal	GW	P
4304736433	RBU 14-17F	SESW	17	100S	200E	U-03505	7050	Federal	GW	P
4304736434	RBU 2-19F	NWNE	19	100S	200E	U-013769-A	7050	Federal	GW	P
4304736435	RBU 5-19FX	SWNW	19	100S	200E	U-013769-A	15855	Federal	GW	P
4304736436	RBU 4-20F	NWNW	20	100S	200E	U-013793-A	7050	Federal	GW	P
4304736605	RBU 16-14F	SESE	14	100S	200E	U-013793A	7050	Federal	GW	P
4304736608	RBU 4-3E	NWNW	03	100S	190E	U-035316	7050	Federal	GW	P

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304736609	RBU 8-3E	SENE	03	100S	190E	U-013765	7050	Federal	GW	P
4304736610	RBU 14-3E	SESW	03	100S	190E	U-013765	7050	Federal	GW	P
4304736686	RBU 13-3E	NWSW	03	100S	190E	U-013765	15235	Federal	GW	P
4304736810	RBU 1-3E	NENE	03	100S	190E	U-013765	7050	Federal	GW	DRL
4304736850	RBU 2-10F	NWNE	10	100S	200E	U-7206	7050	Federal	GW	P
4304736851	RBU 8-21F	SENE	21	100S	200E	U-013793-A	7050	Federal	GW	P
4304737033	RBU 4-10E	SWNW	10	100S	190E	U-035316	7050	Federal	GW	P
4304737057	RBU 11-17E	NWSE	17	100S	190E	U-03505	7050	Federal	GW	DRL
4304737058	RBU 3-17E	NENW	17	100S	190E	U-03505	7050	Federal	GW	P
4304737201	RBU 3-23F	NENW	23	100S	200E	U-013793-A	7050	Federal	OW	P
4304737341	RBU 11-20F	NESW	20	100S	200E	U-0143520-A	7050	Federal	GW	P
4304737342	RBU 5-15F	SWNW	15	100S	200E	U-7206	7050	Federal	OW	P
4304737343	RBU 10-16F	NWSE	16	100S	200E	U-7206	7050	Federal	OW	P
4304737344	RBU 9-16F	NESE	16	100S	200E	U-7206	7050	Federal	OW	S
4304737450	RBU 14-17E	SESW	17	100S	190E	U-03505	7050	Federal	GW	P
4304737747	RBU 15-9E	NWNE	16	100S	190E	U-013765	7050	Federal	GW	DRL
4304737893	RBU 9-4EA	SENE	04	100S	190E	U-03505	7050	Federal	GW	P
4304737998	RBU 13-23F	SWSW	23	100S	200E	U-01470-A	7050	Federal	GW	P
4304738181	RBU 12-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
4304738182	RBU 11-4E	SE/4	04	100S	190E	U-03505	99999	Federal	GW	DRL
4304738294	RBU 2-4E	NWNE	04	100S	190E	U-013792	7050	Federal	GW	DRL
4304738295	RBU 5-4E	SWNW	04	100S	190E	U-03576	99999	Federal	GW	DRL
4304738543	RBU 28-18F	NESE	13	100S	190E	U 013793-A	7050	Federal	GW	DRL
4304738548	RBU 32-13E	NESE	13	100S	190E	U-013765	7050	Federal	GW	DRL
4304738555	RBU 27-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738556	RBU 27-18F2	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738557	RBU 30-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	P
4304738558	RBU 29-18F	SWSW	18	100S	200E	U-013793	7050	Federal	GW	DRL
4304738595	RBU 31-10E	NENE	15	100S	190E	U-013792	7050	Federal	GW	DRL
4304738596	RBU 17-15E	NENE	15	100S	190E	U-013766	7050	Federal	GW	DRL
4304738780	RBU 8B-17E	SENE	17	100S	190E	U-013766	7050	Federal	GW	DRL

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

RIVER BEND UNIT

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4304730153	NATURAL 1-2	SENW	02	100S	200E	ML-10716	11377	State	OW	PA
4304730260	RBU 11-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	S
4304730583	RBU 11-36B	NESW	36	090S	190E	ML-22541	99998	State	NA	PA
4304730608	RBU 8-16D	SENE	16	100S	180E	ML-13216	99998	State	NA	PA
4304730760	RBU 11-2F	NESW	02	100S	200E	ML-10716	9966	State	OW	S
4304731740	RBU 1-16E	NENE	16	100S	190E	ML-13214	7050	State	GW	P
4304732026	RBU 16-2F	SESE	02	100S	200E	ML-10716	7050	State	GW	P
4304732042	RBU 9-16E	NESE	16	100S	190E	ML-13214	7050	State	GW	P
4304732108	RBU 14-2F	SESW	02	100S	200E	ML-10716	7050	State	GW	P
4304732136	RBU 8-2F	SENE	02	100S	200E	ML-10716	7050	State	GW	P
4304732137	RBU 5-16E	SWNW	16	100S	190E	ML-13214	7050	State	GW	P
4304732245	RBU 7-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732250	RBU 13-16E	SWSW	16	100S	190E	ML-13214	7050	State	GW	S
4304732292	RBU 15-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	PA
4304732314	RBU 10-2F	NWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304732352	RBU 3-16F	NENW	16	100S	200E	ML-3393-A	7050	State	GW	P
4304733360	RBU 1-16F	NENE	16	100S	200E	ML-3393	7050	State	GW	P
4304734061	RBU 6-16E	SWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304734167	RBU 1-2F	NENE	02	100S	200E	ML-10716		State	GW	LA
4304734315	STATE 11-2D	NESW	02	100S	180E	ML-26968		State	GW	LA
4304734903	RBU 14-16E	SWSW	16	100S	190E	ML-13214	7050	State	D	PA
4304735020	RBU 8-16E	SENE	16	100S	190E	ML-13214	7050	State	GW	P
4304735021	RBU 10-16E	SWSE	16	100S	190E	ML-13214	7050	State	GW	P
4304735022	RBU 12-16E	NESW	16	100S	190E	ML-13214	7050	State	GW	P
4304735023	RBU 16-16E	SWSW	15	100S	190E	ML-13214	7050	State	GW	P
4304735033	RBU 2-16E	NWNE	16	100S	190E	ML-13214	7050	State	GW	P
4304735081	RBU 15-2F	SWSE	02	100S	200E	ML-10716	7050	State	GW	P
4304735348	RBU 13-16F	NWNW	21	100S	200E	ML-3394	7050	State	GW	DRL
4304736169	RBU 4-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P
4304736170	RBU 3-16E	NENW	16	100S	190E	ML-13214	7050	State	GW	P

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

Dominion Exploration & Production, Inc.
Attn: James D. Abercrombie
14000 Quail Springs Parkway, #600
Oklahoma City, OK 73134-2600

August 10, 2007

Re: River Bend Unit
Uintah County, Utah

Gentlemen:

On August 8, 2007, we received an indenture dated June 30, 2007, whereby Dominion Exploration & Production, Inc. resigned as Unit Operator and XTO Energy Inc. was designated as Successor Unit Operator for the River Bend Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 15, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the River Bend Unit Agreement.

Your statewide oil and gas bond No. UTB000138 will be used to cover all operations within the River Bend Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

API Well No: 43047303750000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 11-15F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047303750000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1991 FSL 2111 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 15 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/15/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. proposes to plug & abandon this well. Please see the attached plugging procedure along with the current & proposed wellbore diagrams.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 15, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	505 333-3642	Regulatory Compliance Tech
SIGNATURE N/A		**DATE** 6/10/2010

RECEIVED June 10, 2010

ML _____
TJF _____

River Bend Unit #11-15F
Sec 15, T 10 S, R 20 E
API: 43-047-30375
Uintah County, Utah

Plug and Abandon Well AFE# 1003075

Surf csg: 8-5/8", 24#, H-40 csg @ 512'. Cmtd w/224 sx, circ cmt to surf.
Prod csg: 5-1/2", 15.5#, K-55 (0-6,232') & 17#, N-80 csg (6,232'-8,210'). Cmtd w/1,345 sxs lead and 1,336 sxs tail. Did not circ cmt to surface. TOC @ 760' via CBL.
Cement Calc: 5-1/2" csg (0.1305 cuft/ft), 8-5/8" csg (0.3576 cuft/ft), Annulus between 5-1/2" csg & 8-5/8" csg (0.1926 cuft/ft)
Perforations: WA:5,244'-48', 5,262'-64', 5,378'-82', 5,538'-46', 5,882'-86', 6,094'-96'. MV: 7,791'-92', 7,795'-96', 7,919'-20', 7,925'-27', 7,990'-97', 8,000'-04'.
Tubing: SN, 2-3/8", 4.7#, J-55 tbg. EOT @ 6,086'
Status: Shut-In

Plugging Procedure

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 9.0 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B or equivalent, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1) Install and test location rig anchors. Comply with all State, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

2) TOH and tally 2-3/8" tbg.

3) **Plug #1 (Mesaverde perforations and top, 7941' – 7358'):** TIH and set CR at 7941'. Load casing with water and circulate well clean. Pressure test tubing to 800 PSI. Mix 102 sxs Class B cement, squeeze 30 sxs below CR and leave 72 sxs above CR to isolate the Mesaverde interval. Pull above the cement and load the casing with corrosion inhibited water. PUH.

4) **Plug #2 (Wasatch perforations and top, 5198' – 4358'):** TIH and set CR at 5198'. Load casing with water and circulate well clean. Pressure test casing to 500 PSI. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 131 sxs Class B cement, squeeze 30 sxs below CR and leave 101 sxs above CR to isolate the Wasatch interval. Pull above the cement and load the casing with corrosion inhibited water. PUH.

5) **Plug #3 (Parachute Creek, 3100' – 2900'):** Spot a balanced plug with 35 sxs Class B cement inside the casing. PUH.

6) **Plug #4 (Mahogany Shale and Green River tops, 1925' – 1,147'):** Spot a balanced plug with 94 sxs Class B cement inside the casing to cover the Mahogany Shale and Green River tops. TOH.

RECEIVED June 10, 2010

7) **Plug #5 (8.625" casing shoe, 563' – Surface)**: Perforate 3 HSC squeeze holes at 563'. Establish circulation to surface out the bradenhead valve, circulate the BH annulus clean. Mix approximately 170 sxs Class B cement and pump down the 5.5" casing and circulate good cement to the surface. Shut in well and WOC.

8) ND BOP and cut off wellhead below surface casing head. Install P&A marker with cement to comply with regulations. RDMO and cut off anchors.

Regulatory:

- Submit NOI to acquire approval from BLM/Utah OGC to P&A well with 532 sx Class B or equivalent, mixed at 15.6 ppg with a 1.18 cf/sx yield.

Equipment:

- 2 – 5.5" cement retainer

RECEIVED June 10, 2010

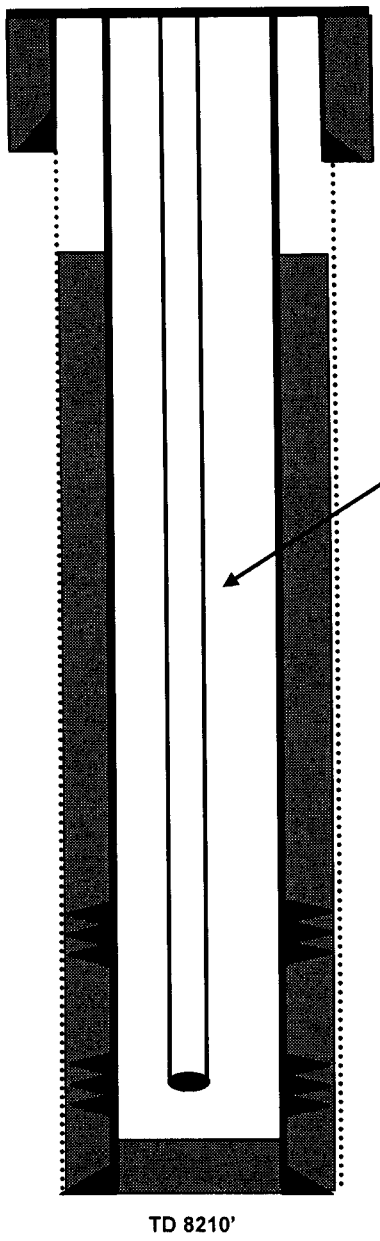
RBU #11-15F
Current
River Bend Unit
1991' FSL, 2111' FWL, Section 15, T-10-S, R-20-E

Uintah County, UT / API #43-047-30375

Lat: _____ / Long: _____

Today's Date: **5/18/10**
Spud: 7/21/78
Completed: 10/31/78
Elevation: 4914' GL
4928' KB

12.5" hole



9.625" TOC @ Surface,
Circulated per Sundry.

8.625" 24#, Casing set @ 513'
Cement with 250 sxs, circulate to surface

TOC @ 760' (CBL, 1978)

Green River @ 1247' *est

2-3/8" tubing set at 6086'

Mahogany Shale @ 1875'

Parachute Creek @ 3000' *est

Wasatch @ 4408'

Wasatch Perforations:
5248' – 6094'

Mesaverde @ 7408'

Mesaverde Perforations:
7991' – 8004'

7.875" Hole

5.5" 17# Casing set at 8210'
Cement with 2681 sxs

TD 8210'

RECEIVED June 10, 2010

RBU #11-15F

Proposed P&A

River Bend Unit

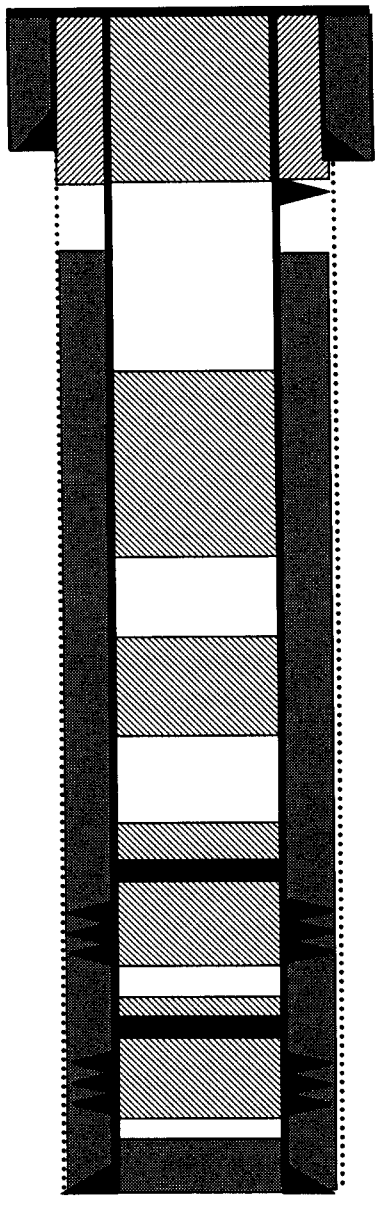
1991' FSL, 2111' FWL, Section 15, T-10-S, R-20-E

Uintah County, UT / API #43-047-30375

Lat: _____ / Long: _____

Today's Date: **5/18/10**
Spud: 7/21/78
Completed: 10/31/78
Elevation: 4914' GL
4928' KB

12.5" hole



9.625" TOC @ Surface,
Circulated per Sundry.

8.625" 24#, Casing set @ 513'
Cement with 250 sxs, circulate to surface

Perforate @ 563'

TOC @ 760' (CBL, 1978)

Plug #5: 563' – 0'
Class B cement, 170 sxs

Green River @ 1247' *est

Plug #4: 1925' – 1147'
Class B cement, 94 sxs

Mahogany Shale @ 1875'

Plug #3: 3100' – 2900'
Class B cement, 35 sxs

Parachute Creek @ 3000' *est

Wasatch @ 4408'

Set CR @ 5198'

Wasatch Perforations:
5248' – 6094'

Plug #2: 5198' – 4358'
Class B cement, 131 sxs;
30 sxs below CR and 101 sxs above

Set CR @ 7941'

Mesaverde Perforations:
7991' – 8004'

Plug #1: 7941' – 7358'
Class B cement, 102 sxs;
30 sxs below CR and 72 sxs above

Mesaverde @ 7408'

7.875" Hole

5.5" 17# Casing set at 8210'
Cement with 2681 sxs

TD 8210'

RECEIVED June 10, 2010

API Well No: 43047303750000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 11-15F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047303750000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1991 FSL 2111 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 15 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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XTO Energy Inc. proposes to plug & abandon this well. Please see the attached plugging procedure along with the current & proposed wellbore diagrams.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 15, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	505 333-3642	Regulatory Compliance Tech
SIGNATURE N/A		**DATE** 6/10/2010

RECEIVED June 10, 2010

ML _____
TJF _____

River Bend Unit #11-15F
Sec 15, T 10 S, R 20 E
API: 43-047-30375
Uintah County, Utah

Plug and Abandon Well AFE# 1003075

Surf csg: 8-5/8", 24#, H-40 csg @ 512'. Cmtd w/224 sx, circ cmt to surf.
Prod csg: 5-1/2", 15.5#, K-55 (0-6,232') & 17#, N-80 csg (6,232'-8,210'). Cmtd w/1,345 sxs lead and 1,336 sxs tail. Did not circ cmt to surface. TOC @ 760' via CBL.
Cement Calc: 5-1/2" csg (0.1305 cuft/ft), 8-5/8" csg (0.3576 cuft/ft), Annulus between 5-1/2" csg & 8-5/8" csg (0.1926 cuft/ft)
Perforations: WA:5,244'-48', 5,262'-64', 5,378'-82', 5,538'-46', 5,882'-86', 6,094'-96'. MV: 7,791'-92', 7,795'-96', 7,919'-20', 7,925'-27', 7,990'-97', 8,000'-04'.
Tubing: SN, 2-3/8", 4.7#, J-55 tbg. EOT @ 6,086'
Status: Shut-In

Plugging Procedure

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 9.0 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B or equivalent, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1) Install and test location rig anchors. Comply with all State, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

2) TOH and tally 2-3/8" tbg.

3) **Plug #1 (Mesaverde perforations and top, 7941' – 7358'):** TIH and set CR at 7941'. Load casing with water and circulate well clean. Pressure test tubing to 800 PSI. Mix 102 sxs Class B cement, squeeze 30 sxs below CR and leave 72 sxs above CR to isolate the Mesaverde interval. Pull above the cement and load the casing with corrosion inhibited water. PUH.

4) **Plug #2 (Wasatch perforations and top, 5198' – 4358'):** TIH and set CR at 5198'. Load casing with water and circulate well clean. Pressure test casing to 500 PSI. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 131 sxs Class B cement, squeeze 30 sxs below CR and leave 101 sxs above CR to isolate the Wasatch interval. Pull above the cement and load the casing with corrosion inhibited water. PUH.

5) **Plug #3 (Parachute Creek, 3100' – 2900'):** Spot a balanced plug with 35 sxs Class B cement inside the casing. PUH.

6) **Plug #4 (Mahogany Shale and Green River tops, 1925' – 1,147'):** Spot a balanced plug with 94 sxs Class B cement inside the casing to cover the Mahogany Shale and Green River tops. TOH.

RECEIVED June 10, 2010

7) **Plug #5 (8.625" casing shoe, 563' – Surface)**: Perforate 3 HSC squeeze holes at 563'. Establish circulation to surface out the bradenhead valve, circulate the BH annulus clean. Mix approximately 170 sxs Class B cement and pump down the 5.5" casing and circulate good cement to the surface. Shut in well and WOC.

8) ND BOP and cut off wellhead below surface casing head. Install P&A marker with cement to comply with regulations. RDMO and cut off anchors.

Regulatory:

- Submit NOI to acquire approval from BLM/Utah OGC to P&A well with 532 sx Class B or equivalent, mixed at 15.6 ppg with a 1.18 cf/sx yield.

Equipment:

- 2 – 5.5" cement retainer

RECEIVED June 10, 2010

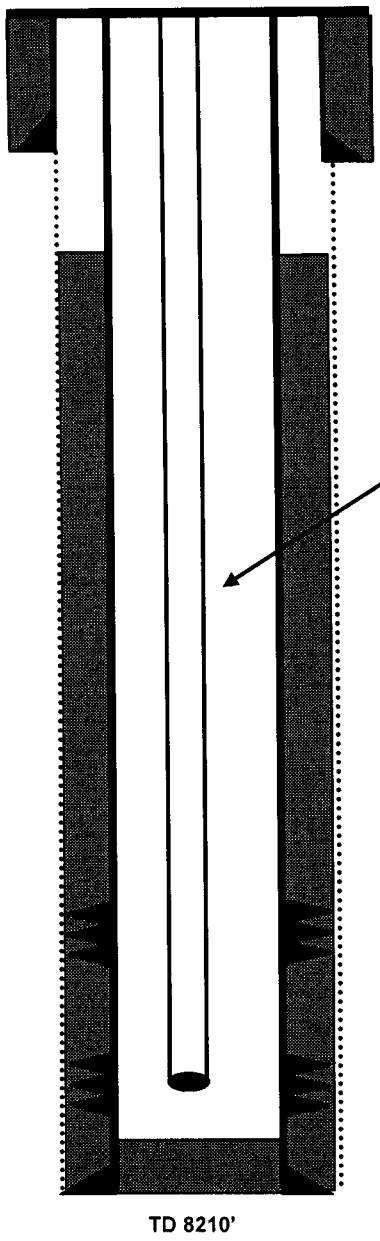
RBU #11-15F
Current
River Bend Unit
1991' FSL, 2111' FWL, Section 15, T-10-S, R-20-E

Uintah County, UT / API #43-047-30375

Lat: _____ / Long: _____

Today's Date: **5/18/10**
Spud: 7/21/78
Completed: 10/31/78
Elevation: 4914' GL
4928' KB

12.5" hole



9.625" TOC @ Surface,
Circulated per Sundry.

8.625" 24#, Casing set @ 513'
Cement with 250 sxs, circulate to surface

TOC @ 760' (CBL, 1978)

Green River @ 1247' *est

2-3/8" tubing set at 6086'

Mahogany Shale @ 1875'

Parachute Creek @ 3000' *est

Wasatch @ 4408'

Wasatch Perforations:
5248' – 6094'

Mesaverde @ 7408'

Mesaverde Perforations:
7991' – 8004'

7.875" Hole

5.5" 17# Casing set at 8210'
Cement with 2681 sxs

TD 8210'

RECEIVED June 10, 2010

RBU #11-15F

Proposed P&A

River Bend Unit

1991' FSL, 2111' FWL, Section 15, T-10-S, R-20-E

Uintah County, UT / API #43-047-30375

Lat: _____ / Long: _____

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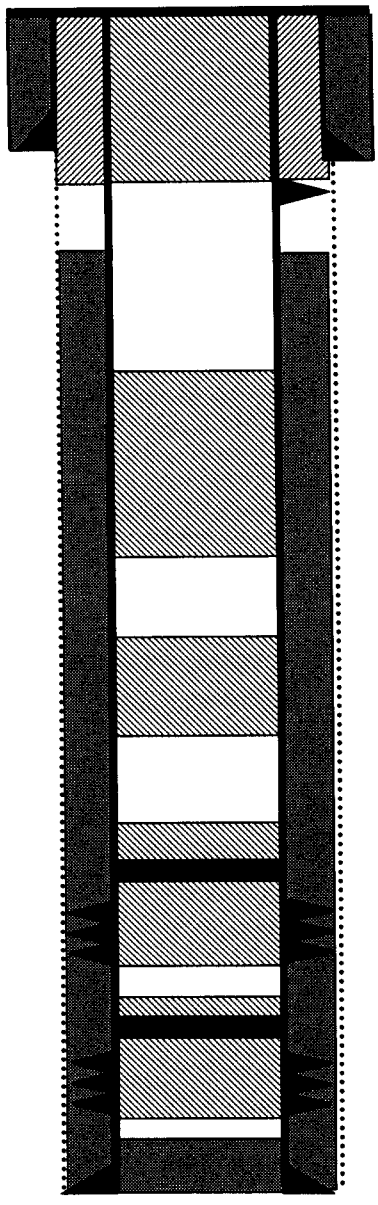

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TOC @ 760' (CBL, 1978)

Plug #5: 563' – 0'
Class B cement, 170 sxs

Green River @ 1247' *est

Plug #4: 1925' – 1147'
Class B cement, 94 sxs

Mahogany Shale @ 1875'

Plug #3: 3100' – 2900'
Class B cement, 35 sxs

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Set CR @ 5198'

Wasatch Perforations:
5248' – 6094'

Plug #2: 5198' – 4358'
Class B cement, 131 sxs;
30 sxs below CR and 101 sxs above

Set CR @ 7941'

Mesaverde Perforations:
7991' – 8004'

Plug #1: 7941' – 7358'
Class B cement, 102 sxs;
30 sxs below CR and 72 sxs above

Mesaverde @ 7408'

7.875" Hole

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TD 8210'

RECEIVED June 10, 2010

API Well No: 43047303750000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 11-15F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047303750000

3. ADDRESS OF OPERATOR: 382 Road 3100 , Aztec, NM, 87410

PHONE NUMBER: 505 333-3159 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1991 FSL 2111 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 15 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/15/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. proposes to plug & abandon this well. Please see the attached plugging procedure along with the current & proposed wellbore diagrams.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 15, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	505 333-3642	Regulatory Compliance Tech
SIGNATURE N/A		**DATE** 6/10/2010

RECEIVED June 10, 2010

ML _____
TJF _____

River Bend Unit #11-15F
Sec 15, T 10 S, R 20 E
API: 43-047-30375
Uintah County, Utah

Plug and Abandon Well AFE# 1003075

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RECEIVED June 10, 2010

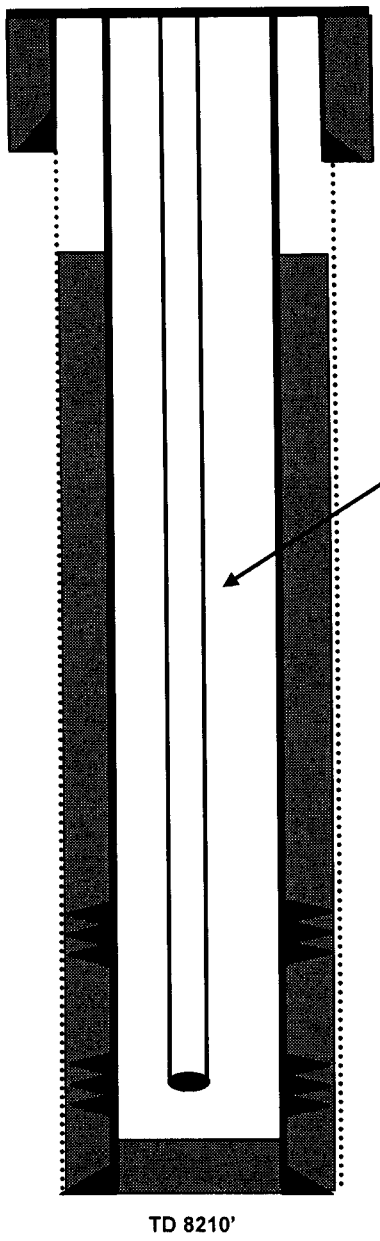
RBU #11-15F
Current
River Bend Unit
1991' FSL, 2111' FWL, Section 15, T-10-S, R-20-E

Uintah County, UT / API #43-047-30375

Lat: _____ / Long: _____

Today's Date: **5/18/10**
Spud: 7/21/78
Completed: 10/31/78
Elevation: 4914' GL
4928' KB

12.5" hole



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RECEIVED June 10, 2010

RBU #11-15F

Proposed P&A

River Bend Unit

1991' FSL, 2111' FWL, Section 15, T-10-S, R-20-E

Uintah County, UT / API #43-047-30375

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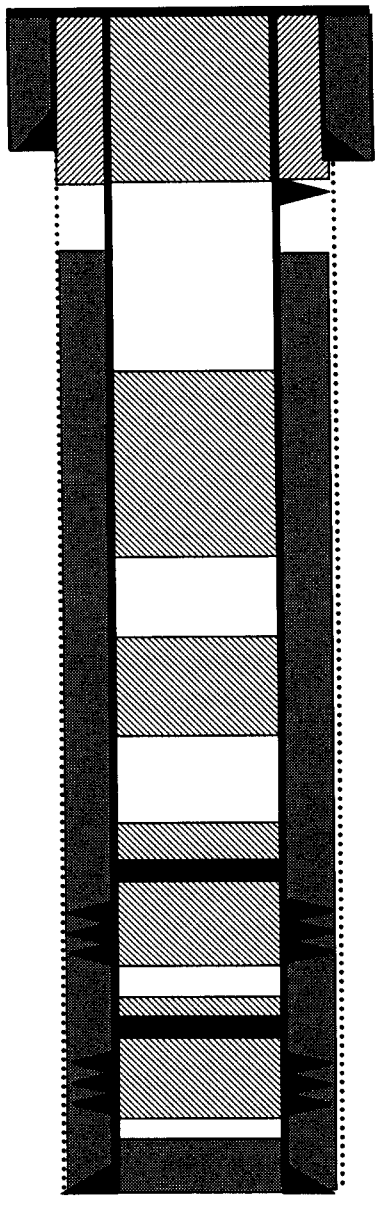

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Cement with 2681 sxs

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RECEIVED June 10, 2010

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
U-7206

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
RIVER BEND

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
RBU 11-15F

2. NAME OF OPERATOR:
XTO ENERGY INC

9. API NUMBER:
43047303750000

3. ADDRESS OF OPERATOR:
PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER:
303 397-3727 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1991 FSL 2111 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESW Section: 15 Township: 10.0S Range: 20.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/6/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This serves as notification that XTO Energy will be plugging this well as submitted on the Notice of Intent dated June 10, 2010; & accepted by the Utah DOGM on June 15, 2010.

Accepted by the Utah Division of Oil, Gas and Mining

Date: ~~September 30, 2014~~

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	303-397-3736	Regulatory Analyst
SIGNATURE		**DATE**
N/A		9/30/2014

RECEIVED: Sep. 30, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
U-7206

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7.UNIT or CA AGREEMENT NAME:
RIVER BEND

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
RBU 11-15F

2. NAME OF OPERATOR:
XTO ENERGY INC

9. API NUMBER:
43047303750000

3. ADDRESS OF OPERATOR:
PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER:
303 397-3727 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1991 FSL 2111 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESW Section: 15 Township: 10.0S Range: 20.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has plugged & abandoned this well per the attached summary report. Reclamation work will begin ASAP this fall according to the Ute Tribal requirements.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 25, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	303-397-3736	Regulatory Analyst
SIGNATURE		**DATE**
N/A		11/25/2014

RECEIVED: Nov. 25, 2014

Riverbend Unit 11-15F

11/11/2014: MIRU. Bd SICP, could not Bd SITP due to bad tbg vlvs. SWI & SDFN.

11/12/2014: Rpr tbg vlv. Bd well. Ppd dwn csg w/130 bbls TFW. ND WH. Had trouble w/WH bolts. NU & FT BOP. TOH w/ tbg. Recd plng & BHBS in SN. PU & TIH w/ bit & csg scr on tbg. EOT @ 4,894'. SWI & SDFN.

11/13/2014: Bd well. Contd TIH w/ tbg. EOT @ 7,012'. Tgd 2 TS in 5-1/2" csg @ 5,247' @ 5,450', wrkd through both TS w/csg scr. Finish TOH w/ tbg, csg scr & bit. PU & TIH w/ CICR & tbg, Tgd @ 5,247'. Could not go past that point. Make decision to TOH w/CICR. TOH w/ tbg, CICR. Drag blocks on CICR showed ltl wear, but everything else looked gd. SWI & SDFN.

11/14/2014: Bd well. PU & TIH w/ bit & tbg, Tgd TS @ 5,222'. 25' higher than previous spt @ 5,247'. RU pwr swvl. Ppd dwn csg w/20 bbls FW, per hr. Cont'd milling sc spt in csg fr/5,222' - 5,335'. (113' ttl for the day). Had drlg, sc spts in 5-1/2" csg. Hang back pwr swvl. TOH LD w/5 jts tbg. EOT @ 5,200'. Att to pmp annular volume dwn csg. Ppd dwn csg w/20 bbls FW & press up to 700 psig. Bd press. Ppd dwn tbg w/5 bbl FW & press up to 700 psig. Bd press on tbg. Made decision to TOH w/2 more jts 2-3/8" tbg. EOT @ 5,198'. SWI & SDFN.

11/15/2014: Bd well. Cont TOH w/ 2-3/8" tbg,and bit. PU& TIH w/ bit & csg scr on tbg. EOT @ 7,012'. TOH w/ tbg. EOT @ 5,200'. Top perf @ 5,244'. SWI & SDFN.

11/16/2014: MIRU ac equip. Held safety meeting. PT surf ln to 1,000 psig. Ppd dwn tbg w/25 bbls FW, 750 gals 15% HCL ac, flsh w/25 bbls FW. Wrkd csg scr through WA perfs to 6,975'. TOH w/ tbg, csg scr & bit. PU & TIH w/ CICR, tbg. EOT @ 6,955'. Set CICR. PT tbg to 1,200 psig 15", Tstd ok. Estb EIR of .3 BPM @ 1,250 psig, through CICR @ 6,955'. Unsting fr/CICR. Ppd dwn tbg w/10 gals corr inhib & 38 bbls TFW. Stg back into CICR. Plg #1. Mix & Ppd dwn tbg w/102 sks class B cmnt, 15.6#, 1.18 yld, pmp 31 sks / 6 bls below CICR @ 2500 psig & .3 bpm. Unsting from CICR & spot 72 sks/ 15 bls on top. (661' on top CICR & 289' below, Est cmnt top @ 6,294'). TOH w/ tbg & CICR stinger. SWI & SDFN.

11/17/2014: PU & TIH w/ CICR on tbg. EOT @ 5,205'. Set CICR. PT tbg to 1,000 psig, 10", Tstd ok. Estb EIR of 2 BPM @ 900 psig, through CICR @ 5,205'. Unsting fr/CICR & Circ 5-1/2" csg w/130 bbls TFW mixd w/biocide & corr inhib. PT 5.5" csg to 500 psig, 10" Tstd ok. Sherry S. Jessen w/BLM was a witness for PT, # (435) 828-0188.) Plg #2. (Wasatch). Mix & Ppd dwn tbg w/131 sks class B cmnt, 1.15 yld, 15.6 ppg, sptd 30 sks/6 bbls below CICR & 101 sks/21 bbls on top. (905 on top CICR & 258 below, Est cmnt top @ 4300'.) TOH LD w/ tbg. EOT @ 3,106'. Plg #3. (Parachute), Mix & Ppd dwn tbg w/35 sks class B cmnt, 1.15 yld, 15.6 ppg, sptd 309' balanced, plg fr/3,106' - Est top 2,797'. TOH LD w/ tbg. EOT @ 1,932'. Plg #4. (Mahogany Shale), Mix & Ppd dwn tbg w/95 sxs class B cmnt, 1.15 yld, 15.6 ppg, spt 834' balanced, plg fr/1,932' - Est cmnt top @ 1,093'. TOH LD w/ tbg. SWI & SDFN.

11/18/2014: MIRU EL. RU RIH w/ csg gun w/120* deg phasing. Perf 3 squeeze holes fr/563' - 564'. POH & LD perf gun. RDMO A plus EL. Ppd dwn 5-1/2" csg & up 8-5/8", Estb circion after ppg 8.5 bbls FW, @ 2 BPM @ 700 - 900 psig, contd ppg w/51.5 bbls FW, Plg #5, (Surf plg). Mix & Ppd dwn 5-1/2" csg w/182 sks class B cmnt, 1.18 yld, 15.6 ppg. Circ cmnt dwn 5-1/2" & up 8-5/8" csg to surf. SWI & let cmnt set one hour. ND BOP. Cut WH off, 3' fr/surf. Found TOC 2' fr/surf. Top off 5-1/2" & 8-5/8" csg w/4 sxs class B cmnt. BLM was witness, Sherry S. Jessen, # (435) 828-0188). Will weld marker plate on at a later date. RDMO.

==========Riverbend Unit 11-15F==========

RECEIVED: Nov. 25, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: U-7206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RIVER BEND

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RBU 11-15F

2. NAME OF OPERATOR: XTO ENERGY INC

9. API NUMBER: 43047303750000

3. ADDRESS OF OPERATOR: PO Box 6501 , Englewood, CO, 80155

PHONE NUMBER: 303 397-3727 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1991 FSL 2111 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 15 Township: 10.0S Range: 20.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 12/10/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☑ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Weld P&A Marker

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

12/10/2014: XTO Energy Inc. has welded P&A marker onto casing. GPS re-verification was made: 39.94568 and -109.65289.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
March 06, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	303-397-3736	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/27/2015

RECEIVED: Jan. 27, 2015

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

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COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/3/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
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	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. has completed final reclamation of this well site per the following: 2/3/2015: Reseeded location & 1/2 mile ROW. Seed was broadcast. 16-16-08 Fertilizer was added at 30 lbs to the acre. Seed mix as follows: Shadscale saltbrush - at 1.5 lbs per acre Winterfar - at 1.5 lbs per acre Gardner Saltbrush - 1.5 lbs per acre Fourwing saltbrush - 1.5 lbs per acre Munroe Globemallow - 0.5 lbs per acre Slender Wheatgrass - 2 lbs per acre Forage Kochia - 1 lb per acre Indian Ricegrass - 2 lbs per acre Bluebunch Wheatgrass - 2 lbs per acre Russian Wildrye - 2 lbs per acre

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 02, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barbara Nicol	303-397-3736	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/17/2015

RECEIVED: Jun. 17, 2015